



Message

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**From:** Fruitwala, Kishor [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7a19009ba86a4236b97131d5d16f2fae-Fruitwala, Kishor]  
**Sent:** 7/16/2018 2:15:17 PM  
**To:** Luschek, Robert [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cd6769c1089e464ebe6e5f345960a0cf-Luschek, Robert]; Shah, Harry [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=774b35da290741798fca0ed737f707aa-Shah, Harry]; Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]; Tidmore, Guy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e9af087a1ce4703b25a4a8e6fa048dd-Tidmore, Guy]; Atagi, Tracy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ebcfd670077440dfb63a691749f20af2-TATAGI]; Tidmore, Guy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e9af087a1ce4703b25a4a8e6fa048dd-Tidmore, Guy]; Toups, Brad [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f79bc386bf8c4ab681f4e156b456d9a5-Toups, Brad]; Peace, Michelle [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=13a0429431cb4de484548396727a27c6-Peace, Michelle]; Young, Jessica [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=26404c78d3dc441f810ac723cf8f9d49-JBIEGELS]; Thompson, Steve [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=deb5f1524ae94dc69ed0f4b2d6ca446a-Thompson, Steve]  
**Subject:** FW: Thermaldyne Process Discussion pfd  
**Attachments:** Thermaldyne PFD Rev 1.pdf

Hi All,

Please see email/attachment below from US Ecology for discussion at 1 pm (central) time today. The agenda and call-in info (from US Ecology) is also provided below.

Thank you.

Kishor

Kishor Fruitwala, Ph.D., P.E.  
Acting Associate Director for RCRA  
Multimedia Division, EPA Region 6  
214-665-6669

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From US Ecology:

1. Go over Heat & Material Balance for Thermaldyne with and without emission limits.  
Three cases: mercury, arsenic and hydrochloric acid.

2. Open discussion.

Please use the following GoToMeeting call-in. We will share PFD and H&M Balance screens, so joining meeting thru the web interface will allow you to see these on your computer. The phone number gives the best voice contact, so that is recommended.

TCEQ/EPA - US Ecology / TD\*X

Please join my meeting from your computer, tablet or smartphone.

[https://global.gotomeeting.com/join/\[REDACTED\]](https://global.gotomeeting.com/join/[REDACTED])

You can also dial in using your phone.

United States: [REDACTED]

Access Code: [REDACTED]

First GoToMeeting? Let's do a quick system check: <https://link.gotomeeting.com/system-check>

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**From:** Carl Palmer [mailto:cpalmer@tdxassociates.com]

**Sent:** Monday, July 16, 2018 8:08 AM

**To:** Fruitwala, Kishor ; Tidmore, Guy ; Lushek, Robert ; Young, Jessica ; Shah, Harry ; Galbraith, Michael

**Cc:** Gregg Meyers ; George Hay ; Brian Lindman

**Subject:** Thermaldyne Process Discussion pfd

We have prepared a heat and material balance for the Thermaldyne process as proposed for hazardous waste thermal treatment in Louisiana. It is attached. This PFD will be the primary material that we discuss on the call this afternoon.

We will also discuss the fact that in the variance as written by LDEQ, listed waste codes do not apply to 85% of the feed material that is generated as residuals from the hazardous waste recycling. This is contrary to the rulemaking for refinery OBHSM [ 261.4(a)(12) ] that clearly states that all residuals from refinery OBHSM recycling are listed waste F037. The variance as written by LDEQ states:

*... Thermaldyne shall make a hazardous waste determination on any residuals generated from the reclamation of the OBHSM. The residuals are a point of new generation of material. Upon intent to be discard the residuals must be properly characterized and managed in accordance with Louisiana Solid Waste and/or Hazardous Waste Regulations as applicable.*

The most likely interpretation of the above condition will be that TDU desorber solids will be tested for hazardous waste characteristics (D codes) and if below those levels will be discarded as non-hazardous industrial solid waste, at most. They will not be tested for LDR compliance for either F037 criteria, or UTS UHC criteria. This could also be done for the centrifuge cake that is not "reclaimed" in the TDU but rather simply discarded after centrifuging. Also, waste water that is spilled or otherwise discarded would not be subjected to F037 waste-water LDR testing.

We'll talk at 1 Central.

Carl

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Carl R. Palmer, P.E.  
TD\*X Associates LP  
(919) 349-1583 mobile

Message

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**From:** Gerhard, Sasha [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=409F48684EB4422CB13177FC9702D0FA-GERHARD, SASHA]  
**Sent:** 8/21/2017 1:40:38 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
**Subject:** RE: todays meeting

My skype #: [REDACTED]

Sasha Gerhard  
USEPA, Office of Resource Conservation & Recovery  
Program Implementation & Information Division, 5303P  
703-879-8501

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**From:** Galbraith, Michael  
**Sent:** Monday, August 21, 2017 9:32 AM  
**To:** Gerhard, Sasha <Gerhard.Sasha@epa.gov>  
**Subject:** RE: todays meeting

What # should we call you at

Mike Galbraith  
Permits Branch (5303P)  
Program Implementation/Information Division  
Office of Resource Conservation and Recovery  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

(703) 605-0567

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**From:** Gerhard, Sasha  
**Sent:** Monday, August 21, 2017 8:54 AM  
**To:** Galbraith, Michael <Galbraith.Michael@epa.gov>  
**Subject:** RE: todays meeting

Yes...

Sasha Gerhard  
USEPA, Office of Resource Conservation & Recovery  
Program Implementation & Information Division, 5303P  
703-879-8501

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**From:** Galbraith, Michael  
**Sent:** Monday, August 21, 2017 8:48 AM  
**To:** Gerhard, Sasha <Gerhard.Sasha@epa.gov>  
**Subject:** todays meeting

Did you want to call in to the tdu briefing?



Mike Galbraith  
Permits Branch (5303P)  
Program Implementation/Information Division  
Office of Resource Conservation and Recovery  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

(703) 605-0567

## Appointment

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**From:** Colon, Lilybeth [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6AE6D0CC3F984B08B8101569A2CF6308-COLON, LILYBETH]  
**Sent:** 8/14/2017 5:17:08 PM  
**To:** Buzzell, Tricia [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1d1892b38f81459f97c51d914dddc73b-pbuzze02]; Gerhard, Sasha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=409f48684eb4422cb13177fc9702d0fa-Gerhard, Sasha]; Swetland-Johnson, Karen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a916f4dac0d84c3499b44ee837ae0205-Swetland, K]; Gaines, Jeff [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c0ce5613e3c245b09c6ccad71cf3062a-JGAINE02]; Krueger, Anna [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c2b3ca3f71784b6a8d35709df4b3bdd6-Krueger, An]; Sommer, Tab [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=891a73d2bb1a4d6a8a7727f05ec50161-TTESNAU]; Pease, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3853cbe6e34644309fe19981dbdf3716-Pease, Michael]; Kohler, Amanda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=665a6cdd3371457fb03d5184f58f7a4a-Kohler, Amanda]; Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]; Welles, Laura [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d12d5767a8634f48935d8aa59f93d4f6-Welles, Lau]; Leitch, Sharon [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fb121e9196ea4858a7ba325b3b5e4930-Leitch, Sharon]; Everett, Adolph [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=79388de3b66e4443b5d08a43e5f2c2e3-Everett, Adolph]; Butler, Elizabeth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e12e63bc32a4a91940c3fe22537601a-Butler, Elizabeth]; McGoldrick, Catherine [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5600cb0bd0084f0e9375a305b653f42d-McGoldrick,]; Housley, Denise [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3dcb34d4153b4dc7a8f0bc3e60bafa1f-Housley, Sharon]; Anderson, Meredith [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2cd9109bbf3c4818b0e1d333b8652278-Anderson, Meredith]; Setnicar, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b4cedae7b8aa4f3b968d7a6a40de75ec-MSetnica]; Fruitwala, Kishor [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7a19009ba86a4236b97131d5d16f2fae-Fruitwala, Kishor]; Murrow, Patricia [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=129f9f814ea04bc08b120e55ccbc94e2-MURROW, PATRICIA]; Newland, Jesse [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fe4df5f2ee47461e85d6327498f39c2f-Newland, Je]; Gross, Barbara [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0251d038d28d452aad788de5f8c4d736-BGROSS]; Olson, Lisa [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d02f0d41a11a4bc696a74066f6ac82a8-Olson, Lisa]; Chang, Patrick [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=45068fdd29e4ae699263be4219d70a0-Chang, Patrick]; Azzam, Nidal [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c697ee439a44482eb3d86873ba792177-Azzam, Nidal]; Cuevas, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=af4d3a9704cc4deabe7b387e9760e98d-Cuevas, David]; Loesel, Matthew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f2136f67bd8644149ef4883722e4da9a-Loesel, Matt]; Leach, Ronald [/o=ExchangeLabs/ou=Exchange Administrative Group

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**CC:** Zabaneh, Mahfouz [o=ExchangeLabs/ou=Exchange Administrative Group  
(FYDIBOHF23SPDLT)/cn=Recipients/cn=699be382a29f49d481cfa9e02719acf7-MZABANEH]; Ruelas, Cynthia  
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Madison]; Page, Jeffrey [o=ExchangeLabs/ou=Exchange Administrative Group  
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**Subject:** RCRA Permit Integrity Team Monthly Call  
**Attachments:** HTMR furnaces reclaiming zinc.docx  
**Location:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR

**Start:** 8/16/2017 3:30:00 PM  
**End:** 8/16/2017 4:30:00 PM  
**Show Time As:** Tentative

**Recurrence:** Monthly  
the third Wednesday of every 1 month(s) from 11:30 AM to 12:30 PM

Updating with agenda.

### RCRA Permit Integrity Team (PIT) Conference Call

Please contact me if you have questions or want to add items to the agenda.

### AGENDA

1. Outcome of the PIT discussion at the RCRA Branch Chiefs Meeting last week  
(Updated Issue Papers available in [REDACTED])
2. Additional type of thermal unit for PIT consideration under existing TDU proposal



## Appointment

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**From:** Colon, Lilybeth [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6AE6D0CC3F984B08B8101569A2CF6308-COLON, LILYBETH]  
**Sent:** 7/15/2017 2:52:06 AM  
**To:** Buzzell, Tricia [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1d1892b38f81459f97c51d914dddc73b-pbuzze02]; Gerhard, Sasha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=409f48684eb4422cb13177fc9702d0fa-Gerhard, Sasha]; Swetland-Johnson, Karen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a916f4dac0d84c3499b44ee837ae0205-Swetland, K]; Gaines, Jeff [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c0ce5613e3c245b09c6ccad71cf3062a-JGAINE02]; Krueger, Anna [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c2b3ca3f71784b6a8d35709df4b3bdd6-Krueger, An]; Sommer, Tab [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=891a73d2bb1a4d6a8a7727f05ec50161-TTESNAU]; Pease, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3853cbe6e34644309fe19981dbdf3716-Pease, Michael]; Kohler, Amanda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=665a6cdd3371457fb03d5184f58f7a4a-Kohler, Amanda]; Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]; Welles, Laura [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d12d5767a8634f48935d8aa59f93d4f6-Welles, Lau]; Leitch, Sharon [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fb121e9196ea4858a7ba325b3b5e4930-Leitch, Sharon]; Everett, Adolph [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=79388de3b66e4443b5d08a43e5f2c2e3-Everett, Adolph]; Butler, Elizabeth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e12e63bc32a4a91940c3fe22537601a-Butler, Elizabeth]; McGoldrick, Catherine [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5600cb0bd0084f0e9375a305b653f42d-McGoldrick,]; Housley, Denise [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3dcb34d4153b4dc7a8f0bc3e60bafa1f-Housley, Sharon]; Anderson, Meredith [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2cd9109bbf3c4818b0e1d333b8652278-Anderson, Meredith]; Setnicar, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b4cedae7b8aa4f3b968d7a6a40de75ec-MSetnica]; Fruitwala, Kishor [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7a19009ba86a4236b97131d5d16f2fae-Fruitwala, Kishor]; Murrow, Patricia [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=129f9f814ea04bc08b120e55ccbc94e2-MURROW, PATRICIA]; Newland, Jesse [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fe4df5f2ee47461e85d6327498f39c2f-Newland, Je]; Gross, Barbara [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0251d038d28d452aad788de5f8c4d736-BGROSS]; Olson, Lisa [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d02f0d41a11a4bc696a74066f6ac82a8-Olson, Lisa]; Chang, Patrick [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=45068fdd29e4ae699263be4219d70a0-Chang, Patrick]; Azzam, Nidal [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c697ee439a44482eb3d86873ba792177-Azzam, Nidal]; Cuevas, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=af4d3a9704cc4deabe7b387e9760e98d-Cuevas, David]; Loesel, Matthew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f2136f67bd8644149ef4883722e4da9a-Loesel, Matt]; Leach, Ronald [/o=ExchangeLabs/ou=Exchange Administrative Group

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**CC:** Page, Jeffrey [o=ExchangeLabs/ou=Exchange Administrative Group  
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[o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=Sanders-Curry,  
Madison]

**Subject:** RCRA Permit Integrity Team Monthly Call

**Attachments:** PIT\_Issue\_Summary\_LDRs.docx; PIT\_Issue\_Summary\_TDU.s.docx; PIT\_Issue\_Summary\_AABBCC.docx;  
PIT\_Issue\_Summary\_PCC.docx

**Location:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR

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**End:** 7/19/2017 4:30:00 PM

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**Recurrence:** Monthly  
the third Wednesday of every 1 month(s) from 11:30 AM to 12:30 PM

Updating with agenda.

### RCRA Permit Integrity Team (PIT) Conference Call



Please contact me if you have questions or want to add items to the agenda.

### AGENDA

1. Issue papers in preparation for the August in-person RCRA Branch Chiefs' meeting (see draft issue papers attached and on our )

- WAP and Related LDR Issues



PIT\_Issue\_Sum...

- Thermal Desorption Units (TDUs)



PIT\_Issue\_Sum...

- AA/BB/CC



PIT\_Issue\_Sum...

- Post-Closure Care Implementation



PIT\_Issue\_Sum...

Message

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**From:** Robertson, David [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=E2AA2EB3DF9A4B718DCB6868839ACB2F-ROBERTSON, DAVID]  
**Sent:** 7/20/2017 4:41:23 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
**Subject:** RE: basic question about rineco and TDX

Hello Michael,

I've just come back from vacation. Sorry I'm so late getting back to you. Did you get what you needed on US Ecology. I was the original inspector and did not work on the enforcement. But I may be able to run things down if you still need them.

---

**From:** Galbraith, Michael  
**Sent:** Wednesday, July 12, 2017 1:25 PM  
**To:** Fruitwala, Kishor <Fruitwala.Kishor@epa.gov>; Kaleri, Cynthia <kaleri.cynthia@epa.gov>; Shah, Harry <Shah.Harry@epa.gov>; Robertson, David <robertson.david@epa.gov>  
**Cc:** Gerhard, Sasha <Gerhard.Sasha@epa.gov>  
**Subject:** basic question about rineco and TDX

Greetings all. I'm in the process of drafting a briefing package for our OD on facilities with thermal desorption units and condensers. I may, from time to time over the next couple weeks, send you an email or two with some basic questions pertaining to some of the facilities in R6. I'm not asking you spend a lot of time on any of these – if you don't know the answers or if it would take too much time to figure out, that's OK (I think these will be high level questions). Thanks in advance!



Mike Galbraith  
Permits Branch (5303P)  
Program Implementation/Information Division  
Office of Resource Conservation and Recovery  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

(703) 605-0567



Message

---

**From:** NADDY, JOHN [JNADDY@idem.IN.gov]  
**Sent:** 4/17/2017 2:46:35 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
**Subject:** RE: Tradebe Status

Mike-

Not a problem. Hopefully that is a sign that we are thinking alike. Talk to you tomorrow.

John Naddy  
Technical Environmental Specialist  
Compliance and Response Branch  
Office of Land Quality  
Indiana Department of Environmental Management  
317-233-0404

---

**From:** Galbraith, Michael [mailto:Galbraith.Michael@epa.gov]  
**Sent:** Monday, April 17, 2017 10:44 AM  
**To:** NADDY, JOHN <JNADDY@idem.IN.gov>; Lee, Jae <lee.jae@epa.gov>  
**Cc:** KIZER, BRUCE <BKIZER@idem.IN.gov>; JEAN, RUTH <RJEAN@idem.IN.gov>; Valentino, Michael <Valentino.Michael@epa.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>; Kohler, Amanda <Kohler.Amanda@epa.gov>; Atagi, Tracy <Atagi.Tracy@epa.gov>; Young, Jessica <Young.Jessica@epa.gov>; Behan, Frank <Behan.Frank@epa.gov>  
**Subject:** Re: Tradebe Status

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---

roger that - thanks (we sent our emails at exactly the same time....)

Mike Galbraith  
Permits Branch (5303P)  
Program Implementation/Information Division  
Office of Resource Conservation and Recovery  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

---

**From:** NADDY, JOHN <JNADDY@idem.IN.gov>  
**Sent:** Monday, April 17, 2017 10:42 AM  
**To:** Galbraith, Michael; Lee, Jae  
**Cc:** KIZER, BRUCE; [rjean@idem.in.gov](mailto:rjean@idem.in.gov); Valentino, Michael; Setnicar, Mary; Kohler, Amanda; Atagi, Tracy; Young, Jessica; Behan, Frank  
**Subject:** RE: Tradebe Status

Michael-

We will cancel the state conference call set up and use the federal conference call that you set up. Thanks.

John Naddy  
Technical Environmental Specialist  
Compliance and Response Branch  
Office of Land Quality  
Indiana Department of Environmental Management  
317-233-0404

---

**From:** Galbraith, Michael [<mailto:Galbraith.Michael@epa.gov>]  
**Sent:** Monday, April 17, 2017 10:39 AM  
**To:** Lee, Jae <[lee.jae@epa.gov](mailto:lee.jae@epa.gov)>; NADDY, JOHN <[JNADDY@idem.IN.gov](mailto:JNADDY@idem.IN.gov)>  
**Cc:** KIZER, BRUCE <[BKIZER@idem.IN.gov](mailto:BKIZER@idem.IN.gov)>; JEAN, RUTH <[RJEAN@idem.IN.gov](mailto:RJEAN@idem.IN.gov)>; Valentino, Michael <[Valentino.Michael@epa.gov](mailto:Valentino.Michael@epa.gov)>; Setnicar, Mary <[Setnicar.Mary@epa.gov](mailto:Setnicar.Mary@epa.gov)>; Kohler, Amanda <[Kohler.Amanda@epa.gov](mailto:Kohler.Amanda@epa.gov)>; Atagi, Tracy <[Atagi.Tracy@epa.gov](mailto:Atagi.Tracy@epa.gov)>; Young, Jessica <[Young.Jessica@epa.gov](mailto:Young.Jessica@epa.gov)>; Behan, Frank <[Behan.Frank@epa.gov](mailto:Behan.Frank@epa.gov)>  
**Subject:** Re: Tradebe Status

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---

we can use the following call-in # for tomorrows call



Mike Galbraith  
Permits Branch (5303P)  
Program Implementation/Information Division  
Office of Resource Conservation and Recovery  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

---

**From:** Lee, Jae  
**Sent:** Monday, April 17, 2017 10:07 AM  
**To:** John Naddy  
**Cc:** KIZER, BRUCE; [rjean@idem.in.gov](mailto:rjean@idem.in.gov); Valentino, Michael; Setnicar, Mary; Galbraith, Michael  
**Subject:** RE: Tradebe Status

Thank you John,

We can have an hour call on April 18, 2017, 1:00 pm, CDT.

I could not reserve a call-in line.

Can we use either HQ or State line??

Jae

---

**From:** NADDY, JOHN [mailto:JNADDY@idem.IN.gov]

**Sent:** Monday, April 17, 2017 8:53 AM

**To:** Lee, Jae <lee.jae@epa.gov>

**Cc:** KIZER, BRUCE <BKIZER@idem.IN.gov>; rjean@idem.in.gov; Valentino, Michael <Valentino.Michael@epa.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>; Galbraith, Michael <Galbraith.Michael@epa.gov>

**Subject:** RE: Tradebe Status

Jae-

Let's shoot for the 18<sup>th</sup> 1:00 p.m. – 2:00 p.m. CDT. Please let me know the conference call numbers to call in. Thanks.

John Naddy

Technical Environmental Specialist

Compliance and Response Branch

Office of Land Quality

Indiana Department of Environmental Management

317-233-0404

---

**From:** Lee, Jae [mailto:lee.jae@epa.gov]

**Sent:** Friday, April 14, 2017 9:39 AM

**To:** NADDY, JOHN <JNADDY@idem.IN.gov>

**Cc:** KIZER, BRUCE <BKIZER@idem.IN.gov>; JEAN, RUTH <RJEAN@idem.IN.gov>; Valentino, Michael <Valentino.Michael@epa.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>; Galbraith, Michael <Galbraith.Michael@epa.gov>

**Subject:** RE: Tradebe Status

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John,

We can have a separate call with IDEM and HQ after our call with everyone.

(We have a call with HQ and R6 on 4/17, 11:00 am, CDT, for an hour, but it could be a little longer.)

We can brief you the status of the exemption issue and what we have discussed during the call with R6.

We can have a call with you either on April 17, 2:00 -2:30 pm, CDT or on 4/18 1:00 pm – 2:00 pm, CDT.

Please let me know which time zone is better for you or any other time you would prefer?

Jae

---

**From:** Lee, Jae

**Sent:** Thursday, April 13, 2017 4:25 PM

**To:** 'NADDY, JOHN' <JNADDY@idem.IN.gov>

**Cc:** KIZER, BRUCE <BKIZER@idem.IN.gov>; rjean@idem.in.gov

**Subject:** RE: Tradebe Status

John,

After discussing with HQ and R6 about IDEM's participation, we thought this would be better to have an EPA-only call to discuss different aspects of the issue.

I wish you would understand this.

I will discuss with our management for any pre-discussion of our findings with IDEM.

Jae

---

**From:** NADDY, JOHN [mailto:JNADDY@idem.IN.gov]  
**Sent:** Thursday, April 13, 2017 11:56 AM  
**To:** Lee, Jae <lee.jae@epa.gov>  
**Cc:** KIZER, BRUCE <BKIZER@idem.IN.gov>; rjean@idem.in.gov  
**Subject:** RE: Tradebe Status

Mr. Lee-

Is it possible to join the April 17<sup>th</sup> conference call between EPA Regions 5 and 6 and Headquarters discussing the Tradebe solids distillation system? Also, will it be possible to get a copy of the draft memo from Region 5 to Headquarters stating the Region's position on the issue?

John Naddy  
Technical Environmental Specialist  
Compliance and Response Branch  
Office of Land Quality  
Indiana Department of Environmental Management  
317-233-0404

---

**From:** Lee, Jae [mailto:lee.jae@epa.gov]  
**Sent:** Monday, April 10, 2017 11:43 AM  
**To:** JEAN, RUTH <RJEAN@idem.IN.gov>  
**Cc:** NADDY, JOHN <JNADDY@idem.IN.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>; SCHROER, CRAIG <CSCHROER@idem.IN.gov>; Valentino, Michael <Valentino.Michael@epa.gov>  
**Subject:** Tradebe Status

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---

Ruth,

I would like to let you know that we received response (mostly CBI) for the information request of the Desorption Units from Tradebe.

We have a meeting scheduled with Tradebe's representatives on April 12 at Chicago to discuss mass balance aspects of the units.

We are also scheduled a conference call with HQ and Region 6 on April 17.

If things are moving well, we might be able to send a memo to HQ of the Region 5's position on this permit exemption issue by the end of April or early May.

Please let me know if you have any questions.

Jae

---

**From:** JEAN, RUTH [mailto:RJEAN@idem.IN.gov]  
**Sent:** Tuesday, February 07, 2017 11:26 AM  
**To:** Lee, Jae <lee.jae@epa.gov>  
**Cc:** Valentino, Michael <Valentino.Michael@epa.gov>; John Naddy <jnaddy@idem.in.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>  
**Subject:** RE: Tradebe waste derived fuel issue

Jae,

As I've informed you before, any questions related to the SDS decision should be directed to John Naddy.

When you called earlier, you asked if Tradebe generates HW fuels from their fuel blending operations, and who utilizes those fuels. For clarification, my answers were in relation to their permitted fuel blending operations only. I want to ensure that you did not think I was discussing the SDS unit.

For future reference, please understand that I cannot answer any questions regarding the SDS units. I am not familiar with the SDS, nor was I involved in the original decision. I can only answer questions regarding their hazardous waste permit.

Thanks,

Ruth

---

**From:** Lee, Jae [mailto:lee.jae@epa.gov]  
**Sent:** Tuesday, February 07, 2017 11:33 AM  
**To:** JEAN, RUTH  
**Cc:** Valentino, Michael  
**Subject:** Tradebe waste derived fuel issue

Ruth,

HQ came up a question that the IDEM's March 31, 2006 letter (attached) states that, in the second page, fifth paragraph, "If the unit was used to produce fuels or merely for treatment, the unit would require a HW treatment permit".

Since Tradebe generates hazardous waste derived fuels for the blending to send to off-site cement kilns, should they be required to have a treatment permit?

Any thoughts on this? This letter was referenced in the CAA permit.

Jae

Message

---

**From:** NADDY, JOHN [JNADDY@idem.IN.gov]  
**Sent:** 4/17/2017 2:44:58 PM  
**To:** Lee, Jae [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e8957da9f254aab83632814f05d1cd2-JLee10]  
**CC:** KIZER, BRUCE [BKIZER@idem.IN.gov]; rjean@idem.in.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user54f1917c]; Valentino, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=29ccd101653e4a5fae2273a9ae9f7bd0-MValenti]; Setnicar, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b4cedae7b8aa4f3b968d7a6a40de75ec-MSetnica]; Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
**Subject:** RE: Tradebe Status

Jae-  
Please disregard the information that I previously sent out with the state conference call information. We will be using the conference call set up by Mr. Galbraith. Thanks and sorry for the confusion.

John Naddy  
Technical Environmental Specialist  
Compliance and Response Branch  
Office of Land Quality  
Indiana Department of Environmental Management  
317-233-0404

---

**From:** NADDY, JOHN  
**Sent:** Monday, April 17, 2017 10:40 AM  
**To:** 'Lee, Jae' <lee.jae@epa.gov>  
**Cc:** KIZER, BRUCE <BKIZER@idem.IN.gov>; JEAN, RUTH <RJEAN@idem.IN.gov>; Valentino, Michael <Valentino.Michael@epa.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>; Galbraith, Michael <Galbraith.Michael@epa.gov>  
**Subject:** RE: Tradebe Status

Jae-  
  
Below is the conference call contact information for tomorrow. I look forward to hearing how this issue is progressing.

April 18, 2017 2:00 – 3:00 p.m. (1:00 -2:00 p.m. CDT)

John Naddy  
Technical Environmental Specialist  
Compliance and Response Branch  
Office of Land Quality  
Indiana Department of Environmental Management  
317-233-0404

---

**From:** Lee, Jae [<mailto:lee.jae@epa.gov>]  
**Sent:** Monday, April 17, 2017 10:07 AM  
**To:** NADDY, JOHN <[JNADDY@idem.IN.gov](mailto:JNADDY@idem.IN.gov)>  
**Cc:** KIZER, BRUCE <[BKIZER@idem.IN.gov](mailto:BKIZER@idem.IN.gov)>; JEAN, RUTH <[RJEAN@idem.IN.gov](mailto:RJEAN@idem.IN.gov)>; Valentino, Michael <[Valentino.Michael@epa.gov](mailto:Valentino.Michael@epa.gov)>; Setnicar, Mary <[Setnicar.Mary@epa.gov](mailto:Setnicar.Mary@epa.gov)>; Galbraith, Michael <[Galbraith.Michael@epa.gov](mailto:Galbraith.Michael@epa.gov)>  
**Subject:** RE: Tradebe Status

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Thank you John,

We can have an hour call on April 18, 2017, 1:00 pm, CDT.

I could not reserve a call-in line.

Can we use either HQ or State line??

Jae

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**From:** NADDY, JOHN [<mailto:JNADDY@idem.IN.gov>]  
**Sent:** Monday, April 17, 2017 8:53 AM  
**To:** Lee, Jae <[lee.jae@epa.gov](mailto:lee.jae@epa.gov)>  
**Cc:** KIZER, BRUCE <[BKIZER@idem.IN.gov](mailto:BKIZER@idem.IN.gov)>; rjean@idem.in.gov; Valentino, Michael <[Valentino.Michael@epa.gov](mailto:Valentino.Michael@epa.gov)>; Setnicar, Mary <[Setnicar.Mary@epa.gov](mailto:Setnicar.Mary@epa.gov)>; Galbraith, Michael <[Galbraith.Michael@epa.gov](mailto:Galbraith.Michael@epa.gov)>  
**Subject:** RE: Tradebe Status

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Let's shoot for the 18<sup>th</sup> 1:00 p.m. – 2:00 p.m. CDT. Please let me know the conference call numbers to call in. Thanks.

John Naddy  
Technical Environmental Specialist  
Compliance and Response Branch  
Office of Land Quality  
Indiana Department of Environmental Management  
317-233-0404

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**From:** Lee, Jae [<mailto:lee.jae@epa.gov>]  
**Sent:** Friday, April 14, 2017 9:39 AM  
**To:** NADDY, JOHN <[JNADDY@idem.IN.gov](mailto:JNADDY@idem.IN.gov)>  
**Cc:** KIZER, BRUCE <[BKIZER@idem.IN.gov](mailto:BKIZER@idem.IN.gov)>; JEAN, RUTH <[RJEAN@idem.IN.gov](mailto:RJEAN@idem.IN.gov)>; Valentino, Michael <[Valentino.Michael@epa.gov](mailto:Valentino.Michael@epa.gov)>; Setnicar, Mary <[Setnicar.Mary@epa.gov](mailto:Setnicar.Mary@epa.gov)>; Galbraith, Michael <[Galbraith.Michael@epa.gov](mailto:Galbraith.Michael@epa.gov)>  
**Subject:** RE: Tradebe Status

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John,

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Jae

---

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**To:** 'NADDY, JOHN' <JNADDY@idem.IN.gov>  
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Jae

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John Naddy  
Technical Environmental Specialist  
Compliance and Response Branch  
Office of Land Quality  
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317-233-0404

---

**From:** Lee, Jae [mailto:lee.jae@epa.gov]  
**Sent:** Monday, April 10, 2017 11:43 AM  
**To:** JEAN, RUTH <RJEAN@idem.IN.gov>



**Cc:** NADDY, JOHN <JNADDY@idem.IN.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>; SCHROER, CRAIG <CSCHROER@idem.IN.gov>; Valentino, Michael <Valentino.Michael@epa.gov>

**Subject:** Tradebe Status

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Jae

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**To:** Lee, Jae <lee.jae@epa.gov>

**Cc:** Valentino, Michael <Valentino.Michael@epa.gov>; John Naddy <jnaddy@idem.in.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>

**Subject:** RE: Tradebe waste derived fuel issue

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Thanks,

Ruth

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**Sent:** Tuesday, February 07, 2017 11:33 AM

**To:** JEAN, RUTH

**Cc:** Valentino, Michael

**Subject:** Tradebe waste derived fuel issue

Ruth,

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Any thoughts on this? This letter was referenced in the CAA permit.

Jae

Message

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**From:** NADDY, JOHN [JNADDY@idem.IN.gov]  
**Sent:** 4/17/2017 2:39:37 PM  
**To:** Lee, Jae [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e8957da9f254aab83632814f05d1cd2-JLee10]  
**CC:** KIZER, BRUCE [BKIZER@idem.IN.gov]; rjean@idem.in.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user54f1917c]; Valentino, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=29ccd101653e4a5fae2273a9ae9f7bd0-MValenti]; Setnicar, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b4cedae7b8aa4f3b968d7a6a40de75ec-MSetnica]; Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
**Subject:** RE: Tradebe Status

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[REDACTED]

John Naddy  
Technical Environmental Specialist  
Compliance and Response Branch  
Office of Land Quality  
Indiana Department of Environmental Management  
317-233-0404

---

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**Cc:** KIZER, BRUCE <BKIZER@idem.IN.gov>; JEAN, RUTH <RJEAN@idem.IN.gov>; Valentino, Michael <Valentino.Michael@epa.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>; Galbraith, Michael <Galbraith.Michael@epa.gov>  
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**To:** Lee, Jae <lee.jae@epa.gov>

**Cc:** KIZER, BRUCE <BKIZER@idem.IN.gov>; rjean@idem.in.gov; Valentino, Michael <Valentino.Michael@epa.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>; Galbraith, Michael <Galbraith.Michael@epa.gov>

**Subject:** RE: Tradebe Status

Jae-  
Let's shoot for the 18<sup>th</sup> 1:00 p.m. – 2:00 p.m. CDT. Please let me know the conference call numbers to call in. Thanks.

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Technical Environmental Specialist  
Compliance and Response Branch  
Office of Land Quality  
Indiana Department of Environmental Management  
317-233-0404

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**Sent:** Friday, April 14, 2017 9:39 AM

**To:** NADDY, JOHN <JNADDY@idem.IN.gov>

**Cc:** KIZER, BRUCE <BKIZER@idem.IN.gov>; JEAN, RUTH <RJEAN@idem.IN.gov>; Valentino, Michael <Valentino.Michael@epa.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>; Galbraith, Michael <Galbraith.Michael@epa.gov>

**Subject:** RE: Tradebe Status

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We can brief you the status of the exemption issue and what we have discussed during the call with R6.

We can have a call with you either on April 17, 2:00 -2:30 pm, CDT or on 4/18 1:00 pm – 2:00 pm, CDT.

Please let me know which time zone is better for you or any other time you would prefer?

Jae

---

**From:** Lee, Jae

**Sent:** Thursday, April 13, 2017 4:25 PM

**To:** 'NADDY, JOHN' <JNADDY@idem.IN.gov>

**Cc:** KIZER, BRUCE <BKIZER@idem.IN.gov>; rjean@idem.in.gov

**Subject:** RE: Tradebe Status

John,

After discussing with HQ and R6 about IDEM's participation, we thought this would be better to have an EPA-only call to discuss different aspects of the issue.

I wish you would understand this.

I will discuss with our management for any pre-discussion of our findings with IDEM.

Jae

---

**From:** NADDY, JOHN [mailto:JNADDY@idem.IN.gov]  
**Sent:** Thursday, April 13, 2017 11:56 AM  
**To:** Lee, Jae <lee.jae@epa.gov>  
**Cc:** KIZER, BRUCE <BKIZER@idem.IN.gov>; rjean@idem.in.gov  
**Subject:** RE: Tradebe Status

Mr. Lee-

Is it possible to join the April 17<sup>th</sup> conference call between EPA Regions 5 and 6 and Headquarters discussing the Tradebe solids distillation system? Also, will it be possible to get a copy of the draft memo from Region 5 to Headquarters stating the Region's position on the issue?

John Naddy  
Technical Environmental Specialist  
Compliance and Response Branch  
Office of Land Quality  
Indiana Department of Environmental Management  
317-233-0404

---

**From:** Lee, Jae [mailto:lee.jae@epa.gov]  
**Sent:** Monday, April 10, 2017 11:43 AM  
**To:** JEAN, RUTH <RJEAN@idem.IN.gov>  
**Cc:** NADDY, JOHN <JNADDY@idem.IN.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>; SCHROER, CRAIG <CSCHROER@idem.IN.gov>; Valentino, Michael <Valentino.Michael@epa.gov>  
**Subject:** Tradebe Status

\*\*\*\* This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. \*\*\*\*

---

Ruth,

I would like to let you know that we received response (mostly CBI) for the information request of the Desorption Units from Tradebe.

We have a meeting scheduled with Tradebe's representatives on April 12 at Chicago to discuss mass balance aspects of the units.

We are also scheduled a conference call with HQ and Region 6 on April 17.

If things are moving well, we might be able to send a memo to HQ of the Region 5's position on this permit exemption issue by the end of April or early May.

Please let me know if you have any questions.

Jae

---

**From:** JEAN, RUTH [mailto:RJEAN@idem.IN.gov]  
**Sent:** Tuesday, February 07, 2017 11:26 AM  
**To:** Lee, Jae <lee.jae@epa.gov>  
**Cc:** Valentino, Michael <Valentino.Michael@epa.gov>; John Naddy <jnaddy@idem.in.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>  
**Subject:** RE: Tradebe waste derived fuel issue

Jae,

As I've informed you before, any questions related to the SDS decision should be directed to John Naddy.

When you called earlier, you asked if Tradebe generates HW fuels from their fuel blending operations, and who utilizes those fuels. For clarification, my answers were in relation to their permitted fuel blending operations only. I want to ensure that you did not think I was discussing the SDS unit.

For future reference, please understand that I cannot answer any questions regarding the SDS units. I am not familiar with the SDS, nor was I involved in the original decision. I can only answer questions regarding their hazardous waste permit.

Thanks,

Ruth

---

**From:** Lee, Jae [mailto:lee.jae@epa.gov]  
**Sent:** Tuesday, February 07, 2017 11:33 AM  
**To:** JEAN, RUTH  
**Cc:** Valentino, Michael  
**Subject:** Tradebe waste derived fuel issue

Ruth,

HQ came up a question that the IDEM's March 31, 2006 letter (attached) states that, in the second page, fifth paragraph, "If the unit was used to produce fuels or merely for treatment, the unit would require a HW treatment permit".

Since Tradebe generates hazardous waste derived fuels for the blending to send to off-site cement kilns, should they be required to have a treatment permit?

Any thoughts on this? This letter was referenced in the CAA permit.

Jae

Message

---

**From:** Kohler, Amanda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=665A6CDD3371457FB03D5184F58F7A4A-KOHLER, AMANDA]  
**Sent:** 4/17/2017 2:32:25 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
**Subject:** RE: Tradebe Status



Amanda Kohler  
703-347-8975

---

**From:** Galbraith, Michael  
**Sent:** Monday, April 17, 2017 10:18 AM  
**To:** Lee, Jae <lee.jae@epa.gov>  
**Cc:** Kohler, Amanda <Kohler.Amanda@epa.gov>; Behan, Frank <Behan.Frank@epa.gov>; Atagi, Tracy <Atagi.Tracy@epa.gov>; Young, Jessica <Young.Jessica@epa.gov>  
**Subject:** Re: Tradebe Status

I don't have access to a conference line #. Does someone else here in orcr have a line we can use tomorrow?

Mike Galbraith  
Permits Branch (5303P)  
Program Implementation/Information Division  
Office of Resource Conservation and Recovery  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

---

**From:** Lee, Jae  
**Sent:** Monday, April 17, 2017 10:07 AM  
**To:** John Naddy  
**Cc:** KIZER, BRUCE; [rjean@idem.in.gov](mailto:rjean@idem.in.gov); Valentino, Michael; Setnicar, Mary; Galbraith, Michael  
**Subject:** RE: Tradebe Status

Thank you John,

We can have an hour call on April 18, 2017, 1:00 pm, CDT.

I could not reserve a call-in line.

Can we use either HQ or State line??

Jae

---

**From:** NADDY, JOHN [<mailto:JNADDY@idem.IN.gov>]

**Sent:** Monday, April 17, 2017 8:53 AM

**To:** Lee, Jae <[lee.jae@epa.gov](mailto:lee.jae@epa.gov)>

**Cc:** KIZER, BRUCE <[BKIZER@idem.IN.gov](mailto:BKIZER@idem.IN.gov)>; rjean@idem.in.gov; Valentino, Michael <[Valentino.Michael@epa.gov](mailto:Valentino.Michael@epa.gov)>; Setnicar, Mary <[Setnicar.Mary@epa.gov](mailto:Setnicar.Mary@epa.gov)>; Galbraith, Michael <[Galbraith.Michael@epa.gov](mailto:Galbraith.Michael@epa.gov)>

**Subject:** RE: Tradebe Status

Jae-  
Let's shoot for the 18<sup>th</sup> 1:00 p.m. – 2:00 p.m. CDT. Please let me know the conference call numbers to call in. Thanks.

John Naddy  
Technical Environmental Specialist  
Compliance and Response Branch  
Office of Land Quality  
Indiana Department of Environmental Management  
317-233-0404

---

**From:** Lee, Jae [<mailto:lee.jae@epa.gov>]

**Sent:** Friday, April 14, 2017 9:39 AM

**To:** NADDY, JOHN <[JNADDY@idem.IN.gov](mailto:JNADDY@idem.IN.gov)>

**Cc:** KIZER, BRUCE <[BKIZER@idem.IN.gov](mailto:BKIZER@idem.IN.gov)>; JEAN, RUTH <[RJEAN@idem.IN.gov](mailto:RJEAN@idem.IN.gov)>; Valentino, Michael <[Valentino.Michael@epa.gov](mailto:Valentino.Michael@epa.gov)>; Setnicar, Mary <[Setnicar.Mary@epa.gov](mailto:Setnicar.Mary@epa.gov)>; Galbraith, Michael <[Galbraith.Michael@epa.gov](mailto:Galbraith.Michael@epa.gov)>

**Subject:** RE: Tradebe Status

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John,

We can have a separate call with IDEM and HQ after our call with everyone.  
(We have a call with HQ and R6 on 4/17, 11:00 am, CDT, for an hour, but it could be a little longer.)

We can brief you the status of the exemption issue and what we have discussed during the call with R6.

We can have a call with you either on April 17, 2:00 -2:30 pm, CDT or on 4/18 1:00 pm – 2:00 pm, CDT.

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**Sent:** Thursday, April 13, 2017 4:25 PM

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John Naddy  
Technical Environmental Specialist  
Compliance and Response Branch  
Office of Land Quality  
Indiana Department of Environmental Management  
317-233-0404

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**Sent:** Monday, April 10, 2017 11:43 AM  
**To:** JEAN, RUTH <RJEAN@idem.IN.gov>  
**Cc:** NADDY, JOHN <JNADDY@idem.IN.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>; SCHROER, CRAIG <CSCHROER@idem.IN.gov>; Valentino, Michael <Valentino.Michael@epa.gov>  
**Subject:** Tradebe Status

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Ruth,

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**Cc:** Valentino, Michael <Valentino.Michael@epa.gov>; John Naddy <jnaddy@idem.in.gov>; Setnicar, Mary <Setnicar.Mary@epa.gov>  
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Thanks,

Ruth

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**From:** Lee, Jae [mailto:lee.jae@epa.gov]  
**Sent:** Tuesday, February 07, 2017 11:33 AM  
**To:** JEAN, RUTH  
**Cc:** Valentino, Michael  
**Subject:** Tradebe waste derived fuel issue

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Since Tradebe generates hazardous waste derived fuels for the blending to send to off-site cement kilns, should they be required to have a treatment permit?

Any thoughts on this? This letter was referenced in the CAA permit.

Jae

Message

---

**From:** Kohler, Amanda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=665A6CDD3371457FB03D5184F58F7A4A-KOHLER, AMANDA]  
**Sent:** 5/31/2017 12:48:45 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
**Subject:** RE: tradebe video


Thanks for sending this, Mike.

Amanda Kohler  
703-347-8975

---

**From:** Galbraith, Michael  
**Sent:** Tuesday, May 30, 2017 2:56 PM  
**To:** Behan, Frank <Behan.Frank@epa.gov>; Atagi, Tracy <Atagi.Tracy@epa.gov>  
**Cc:** Kohler, Amanda <Kohler.Amanda@epa.gov>  
**Subject:** tradebe video

I came across this video when searching the web for examples of regulated HW distillation units (AKA solids distillation unit) – I don't recall seeing this previously - thought you may be interested  
<http://www.tradebeusa.com/news/article/tradebe-announces-expansion-sds-capacity>



Mike Galbraith  
Permits Branch (5303P)  
Program Implementation/Information Division  
Office of Resource Conservation and Recovery  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

(703) 605-0567

Message

---

**From:** Valdez, Heather [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=EB323347294D44009A369C3576798BDF-VALDEZ, HEATHER]  
**Sent:** 4/24/2017 10:01:49 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
**CC:** Knittel, Janette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a955f914e8d34cb19b6f63ac60707d32-Knittel, Janette]  
**Subject:** FW: Status of ORU mod - CWMNW  
**Attachments:** Status of ORU mod - CWMNW.ics

**Flag:** Follow up

Hi Mike, If you are available for a call tomorrow with the State of Oregon, regarding the TDU at a TSD, that would be wonderful. We just found out that the State Permit writer is retiring and tomorrow will be his last day and therefore our last chance to hear anything from him.

12:30 PM Pacific

[REDACTED]

Thanks!

---

Heather Valdez  
RCRA Project Manager, Chemical Engineer  
RCRA Corrective Actions, Permits and PCBs Unit  
Office of Air and Waste  
EPA Region 10  
1200 6th Ave, Suite 900, AWT-150, Seattle, WA 98101  
(206) 553-6220  
[valdez.heather@epa.gov](mailto:valdez.heather@epa.gov)



## Appointment

---

**From:** Knittel, Janette [Knittel.Janette@epa.gov]  
**To:** Valdez, Heather [Valdez.Heather@epa.gov]; Davies, Lynne [Davies.Lynne@epa.gov]; Welles, Laura [Welles.Laura@epa.gov]; DUVAL Rich [rich.duval@state.or.us]  
**Subject:** Status of ORU mod - CWMNW  
**Location:** R10Sea-ConfLineMM-206-224-0056; R10Sea-Room-15Birch/R10-Rooms-Service-Center  
**Start:** 4/25/2017 7:30:00 PM  
**End:** 4/25/2017 8:30:00 PM  
**Show Time As:** Busy  
  
**Recurrence:** (none)



Hi. I asked Rich to explain to us his thought/decision process in structuring the draft Chem Waste ORU-2 permit mod, like why Subpart X and decisions for air emission compliance. We don't have any answers to his questions yet, and this is to listen. Not sure what's going to happen after this call - Turns out Apr 25 is Rich's last day at DEQ. I'll miss working with you, Rich!

-Janette

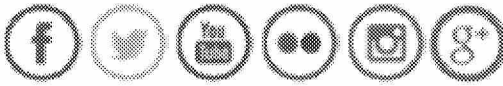
Message

---

**From:** Valdez, Heather [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=EB323347294D44009A369C3576798BDF-VALDEZ, HEATHER]  
**Sent:** 4/21/2017 8:08:04 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]; Colon, Lilybeth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6ae6d0cc3f984b08b8101569a2cf6308-Colon, Lilybeth]; Welles, Laura [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d12d5767a8634f48935d8aa59f93d4f6-Welles, Lau]; Davies, Lynne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=169eb6cbdebb4caf85f76390b8ab2674-LDavie12]; Chang, Patrick [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=45068ffdd29e4ae699263be4219d70a0-Chang, Patrick]  
**CC:** Pease, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3853cbe6e34644309fe19981dbdf3716-Pease, Michael]; Knittel, Janette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a955f914e8d34cb19b6f63ac60707d32-Knittel, Janette]  
**Subject:** RE: RCRA Permit Writers' Conference Call (March 7) - updated materials  
**Attachments:** Thermal Treatment Applicability for Chem Waste.docx; air polution control fact sheet - thermal oxidation.pdf

---

Heather Valdez  
RCRA Project Manager, Chemical Engineer  
RCRA Corrective Actions, Permits and PCBs Unit  
Office of Air and Waste  
EPA Region 10  
1200 6th Ave, Suite 900, AWT-150, Seattle, WA 98101  
(206) 553-6220  
[valdez.heather@epa.gov](mailto:valdez.heather@epa.gov)



---

**From:** Galbraith, Michael

**Sent:** Friday, April 21, 2017 10:35 AM

**To:** Colon, Lilybeth <Colon.Lilybeth@epa.gov>; Welles, Laura <Welles.Laura@epa.gov>; Valdez, Heather <Valdez.Heather@epa.gov>; Davies, Lynne <Davies.Lynne@epa.gov>; Chang, Patrick <Chang.Patrick@epa.gov>

**Cc:** Pease, Michael <pease.michael@epa.gov>

**Subject:** Fw: RCRA Permit Writers' Conference Call (March 7) - updated materials

Mike Galbraith  
Permits Branch (5303P)  
Program Implementation/Information Division  
Office of Resource Conservation and Recovery  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

---

**From:** Gaines, Jeff

**Sent:** Monday, March 6, 2017 7:13 AM

**To:** [Adrianne.White\\_tn.gov](mailto:Adrianne.White_tn.gov); [ainars.silis@state.mn.us](mailto:ainars.silis@state.mn.us); [Albert.Frakes\\_tn.gov](mailto:Albert.Frakes_tn.gov); [amy.potter@dnr.state.ga.us](mailto:amy.potter@dnr.state.ga.us); [anca461\\_ecy.wa.gov](mailto:anca461_ecy.wa.gov); [Angela.alonso@deq.virginia.gov](mailto:Angela.alonso@deq.virginia.gov); [appatel@gw.dec.state.ny.us](mailto:appatel@gw.dec.state.ny.us); [April.Webb@ky.gov](mailto:April.Webb@ky.gov); [Armann, Steve](mailto:Armann, Steve); [AWong@dtsc.ca.gov](mailto:AWong@dtsc.ca.gov); [Baptista, Chrisna](mailto:Baptista, Chrisna); [Bartus, Dave](mailto:Bartus, Dave); [bheem.kothur@dep.state.fl.us](mailto:bheem.kothur@dep.state.fl.us); [bill.fanska\\_dnr.mo.gov](mailto:bill.fanska_dnr.mo.gov); [Blankenship, Melissa](mailto:Blankenship, Melissa); [Blough, James](mailto:Blough, James); [Bowling, Linda](mailto:Bowling, Linda); [brent.luebbe@nebraska.gov](mailto:brent.luebbe@nebraska.gov); [Brogard, John](mailto:Brogard, John); [Bud.McCarty@ncmail.net](mailto:Bud.McCarty@ncmail.net); [carrie.jacobson@state.sd.us](mailto:carrie.jacobson@state.sd.us); [Carrie.L.Kruchell@dep.state.fl.us](mailto:Carrie.L.Kruchell@dep.state.fl.us); [Celeste, Laurel](mailto:Celeste, Laurel); [cerickso@nd.gov](mailto:cerickso@nd.gov); [charles.w.armstead@wv.gov](mailto:charles.w.armstead@wv.gov); [Chin, Vivian](mailto:Chin, Vivian); [Chow, Emily](mailto:Chow, Emily); [Chow, James](mailto:Chow, James); [Clayton.Bullington\\_tn.gov](mailto:Clayton.Bullington_tn.gov); [Colon, Lilybeth](mailto:Colon, Lilybeth); [croob@nd.gov](mailto:croob@nd.gov); [Crosby-Vega, Terri](mailto:Crosby-Vega, Terri); [Dale.Burton@ky.gov](mailto:Dale.Burton@ky.gov); [Daly, Carl](mailto:Daly, Carl); [Daniel.Walker@ky.gov](mailto:Daniel.Walker@ky.gov); [Dave.Ellis@State.MA.US](mailto:Dave.Ellis@State.MA.US); [david.strasser@state.nm.us](mailto:david.strasser@state.nm.us); [Deabay, Elizabeth](mailto:Deabay, Elizabeth); [deb.anderson@state.co.us](mailto:deb.anderson@state.co.us); [doug.knappe@state.co.us](mailto:doug.knappe@state.co.us); [dutch.donlon\\_la.gov](mailto:dutch.donlon_la.gov); [Edward.Nieto\\_dtsc.ca.gov](mailto:Edward.Nieto_dtsc.ca.gov); [Egetter, David](mailto:Egetter, David); [evita.lagard@la.gov](mailto:evita.lagard@la.gov); [Feely, Ken](mailto:Feely, Ken); [Finn, Molly](mailto:Finn, Molly); [Foster, Barbara](mailto:Foster, Barbara); [Fruitwala, Kishor](mailto:Fruitwala, Kishor); [Gaines, Jeff](mailto:Gaines, Jeff); [Gleaton, Gwendolyn](mailto:Gleaton, Gwendolyn); [glmitzel\\_pa.gov](mailto:glmitzel_pa.gov); [Goodwin, Debbie](mailto:Goodwin, Debbie); [gotthold, paul](mailto:gotthold, paul); [Gracelda.Simmons@doh.hawaii.gov](mailto:Gracelda.Simmons@doh.hawaii.gov); [Greenberg, Judith](mailto:Greenberg, Judith); [Greensley, Jean](mailto:Greensley, Jean); [Grisolano, Mary](mailto:Grisolano, Mary); [Gross, Barbara](mailto:Gross, Barbara); [Haklar, James](mailto:Haklar, James); [Hansen, Gail](mailto:Hansen, Gail); [Harrington, Carolyn](mailto:Harrington, Carolyn); [heather.alexander\\_ky.gov](mailto:heather.alexander_ky.gov); [Hedeen, Roberta](mailto:Hedeen, Roberta); [Hensley, Amy](mailto:Hensley, Amy); [Holtzclaw, Brian](mailto:Holtzclaw, Brian); [Hopkins, John](mailto:Hopkins, John); [Housley, Denise](mailto:Housley, Denise); [Jackson, Mary](mailto>Jackson, Mary); [jade461@ECY.WA.GOV](mailto:jade461@ECY.WA.GOV); [Jalal.el-jayyousi@dnr.mo.gov](mailto:Jalal.el-jayyousi@dnr.mo.gov); [james.paterson@state.ma.us](mailto:james.paterson@state.ma.us); [Jamie.Burroughs\\_tn.gov](mailto:Jamie.Burroughs_tn.gov); [Jason.S.McDougal\\_wv.gov](mailto:Jason.S.McDougal_wv.gov); [jjlansin@gw.dec.state.ny.us](mailto:jjlansin@gw.dec.state.ny.us); [John.Jump@ky.gov](mailto:John.Jump@ky.gov); [Kaps, Melissa](mailto>Kaps, Melissa); [Kathleen.Lawson@ncmail.net](mailto:Kathleen.Lawson@ncmail.net); [Kennedy, Deborah](mailto:Kennedy, Deborah); [kevin.christensen@state.sd.us](mailto:kevin.christensen@state.sd.us); [khgronwa@gw.dec.state.ny.us](mailto:khgronwa@gw.dec.state.ny.us); [Kim.Custer\\_deq.idaho.gov](mailto:Kim.Custer_deq.idaho.gov); [King, Laurie](mailto:King, Laurie); [King, Toshia](mailto:King, Toshia); [Kinslow, Sara](mailto:Kinslow, Sara); [Knittel, Janette](mailto:Knittel, Janette); [Kohler, Amanda](mailto>Kohler, Amanda); [kpet461@ECY.WA.GOV](mailto:kpet461@ECY.WA.GOV); [krista\\_caron\\_deq.state.ms.us](mailto:krista_caron_deq.state.ms.us); [Lausch, Robert](mailto:Lausch, Robert); [Lee, Jae](mailto:Lee, Jae); [Leitch, Sharon](mailto:Leitch, Sharon); [Leona.Tsinnajinnie@state.nm.us](mailto:Leona.Tsinnajinnie@state.nm.us); [leslie.romanchik@deq.virginia.gov](mailto:leslie.romanchik@deq.virginia.gov); [Leverock.Anthony@azdeq.gov](mailto:Leverock.Anthony@azdeq.gov); [Lin, Moye](mailto:Lin, Moye); [lina.saale@la.gov](mailto:lina.saale@la.gov); [linda.birmingham@des.nh.gov](mailto:linda.birmingham@des.nh.gov); [Lininger, Don](mailto:Lininger, Don); [Lopez, Laura](mailto:Lopez, Laura); [Magnan, Eric](mailto:Magnan, Eric); [mahall@mt.gov](mailto:mahall@mt.gov); [marrcus.henry@massmail.state.ma.us](mailto:marrcus.henry@massmail.state.ma.us); [Martig, Anton \(Tony\)](mailto:Martig, Anton (Tony)); [Martin, Jan](mailto:Martin, Jan); [Matyskiela, Linda](mailto:Matyskiela, Linda); [McAllister, Kelly](mailto:McAllister, Kelly); [ED\\_002099\\_0010182-00002](mailto:McCarthy,</a></p></div><div data-bbox=)

Elizabeth; McCurry, Doug; [MChoe@dtsc.ca.gov](mailto:MChoe@dtsc.ca.gov); [Merlin.Russell@dep.state.fl.us](mailto:Merlin.Russell@dep.state.fl.us); Meyer, Linda; [mgodbout@ndep.nv.gov](mailto:mgodbout@ndep.nv.gov); [mia.townsel@la.gov](mailto:mia.townsel@la.gov); [Michael.Allen@epa.state.oh.us](mailto:Michael.Allen@epa.state.oh.us); [michael.behrens@nebraska.gov](mailto:michael.behrens@nebraska.gov); [Michael.Ellenbecker\\_wisconsin.gov](mailto:Michael.Ellenbecker_wisconsin.gov); [michael.elster@dnr.state.ga.us](mailto:michael.elster@dnr.state.ga.us); Michuda, Colleen E.; [mike.felix@nebraska.gov](mailto:mike.felix@nebraska.gov); [mike.hahn@la.gov](mailto:mike.hahn@la.gov); Miller, Gary; Mirro, Rachel; [mleigh@ndep.nv.gov](mailto:mleigh@ndep.nv.gov); [MOORE.Fredrick@deg.state.or.us](mailto:MOORE.Fredrick@deg.state.or.us); [morgan.leibrandt@nebraska.gov](mailto:morgan.leibrandt@nebraska.gov); Morris, Robert; [MPD@adem.state.al.us](mailto:MPD@adem.state.al.us); Murrow, Patricia; Neves, Peter; Newland, Jesse; Nicholas, David; Noggle, William; [nora.lane@la.gov](mailto:nora.lane@la.gov); Oleary, Jim; OLEM ORCR PIID PB; Olson, Lisa; Page, Jeffrey; Page, Phil; Palumbo, Janice; [paul.kalaiwaa\\_doh.hawaii.gov](mailto:paul.kalaiwaa_doh.hawaii.gov); [pbailey@dtsc.ca.gov](mailto:pbailey@dtsc.ca.gov); [PBANSCH@idem.IN.gov](mailto:PBANSCH@idem.IN.gov); [Phil.Blum\\_dtsc.ca.gov](mailto:Phil.Blum_dtsc.ca.gov); [Phil.Cole@dep.state.nj.us](mailto:Phil.Cole@dep.state.nj.us); pizarro, luis; Poalinelli, Edwin; Poetzsch, Michael; [puchy.barb@deg.state.or.us](mailto:puchy.barb@deg.state.or.us); R9-LND-4-2; Rajagopalan, Latha (Separated 12/31/16); [rholmes@mt.gov](mailto:rholmes@mt.gov); Rice, Scott; [rich.nussbaum@dnr.mo.gov](mailto:rich.nussbaum@dnr.mo.gov); [richard.blanchet@state.ma.us](mailto:richard.blanchet@state.ma.us); Rizgar.Ghazi\_dtsc.ca.gov; [RLeclerc@dtsc.ca.gov](mailto:RLeclerc@dtsc.ca.gov); [Robert.Bullock@deg.idaho.gov](mailto:Robert.Bullock@deg.idaho.gov); Roberts, Lou; Rollins, Christopher; Ruelas, Cynthia; Sales, James; Salgado, Angel; Santos, Carmen; Scheuermann, Karen; Schoenborn, William; [sds461\\_ecy.wa.gov](mailto:sdsm461_ecy.wa.gov); [SEMO461@ecy.wa.gov](mailto:SEMO461@ecy.wa.gov); Setnicar, Mary; Shah, Harry; Shalev, Omer; Smith, Don; sorto, evelyn; [ssellmeyer@kdheks.gov](mailto:ssellmeyer@kdheks.gov); Stein, Carol; [steve.simoies@state.vt.us](mailto:steve.simoies@state.vt.us); Stone, Nick; [sudhir.d.patel@wv.gov](mailto:sudhir.d.patel@wv.gov); Summers, Mary; Swetland-Johnson, Karen; [Talal.H.Fathallah@wv.gov](mailto:Talal.H.Fathallah@wv.gov); Taylor, Judy; [ted.dragovich@illinois.gov](mailto:ted.dragovich@illinois.gov); [Thomas.adamczyk@state.ma.us](mailto:Thomas.adamczyk@state.ma.us); [Thomas.Robin@azdeg.gov](mailto:Thomas.Robin@azdeg.gov); Tisa, Kimberly; [tjkillie\\_gw.dec.state.ny.us](mailto:tjkillie_gw.dec.state.ny.us); [tmcalpin\\_adem.state.al.us](mailto:tmcalpin_adem.state.al.us); Torres, Ramon; [traci.green@la.gov](mailto:traci.green@la.gov); Tran, Francis; Valdez, Heather; Vargas, Ricardito; Vaughn, Stephanie; Vega, Jackie; [vutran\\_pa.gov](mailto:vutran_pa.gov); [vwindle@idem.in.gov](mailto:vwindle@idem.in.gov); Weissbart, Erich; Welles, Laura; Wicher, Frances; [will.steele@la.gov](mailto:will.steele@la.gov); [will.wyman\\_tceq.texas.gov](mailto:will.wyman_tceq.texas.gov); William.Krispin\_tn.gov; Yee, Stephen; Yussen, Craig; Zabaneh, Mahfouz; [Zafar.Billah@dep.state.nj.us](mailto:Zafar.Billah@dep.state.nj.us); Rao Akula; [BOWERSJB\\_dhec.sc.gov](mailto:BOWERSJB_dhec.sc.gov); Brad Mitchell; [bret.bergstrom@wyo.gov](mailto:bret.bergstrom@wyo.gov); Dale Healey; [Dave.Ellis@State.MA.US](mailto:Dave.Ellis@State.MA.US); dawn cinquino; [dd3@azdeg.gov](mailto:dd3@azdeg.gov); Doug Coenen; Drukell Trahan; [james.paterson@state.ma.us](mailto:james.paterson@state.ma.us); Jason.S.McDougal\_wv.gov; john chikkala; Kimberly Tyson; [marrcus.henry@massmail.state.ma.us](mailto:marrcus.henry@massmail.state.ma.us); matt mullinax; miles stotts; Mitch Mathews; pj wilber; regina small; [richard.blanchet@state.ma.us](mailto:richard.blanchet@state.ma.us); Ronda Blayer; sean kendrick; Steve Simoes; [Thomas.adamczyk@state.ma.us](mailto:Thomas.adamczyk@state.ma.us); Valerie kauffman; Virginia H.

**Cc:** OLEM ORCR PIID CPB; OLEM ORCR PIID PB; Behan, Frank; OLEM ORCR MRWMD RGB



**Subject:** RE: RCRA Permit Writers' Conference Call (March 7) - updated materials

This is a revised email with updated materials for Tuesday's (3/07/2017) *RCRA Permit Writers' Call*.

**For agenda topic # 4**, the attached 'process flow diagram' should be used, not the one previously sent, as that one is copyrighted. Also, per #4, the attached RCRA online letter (14857) relates to contained gaseous material

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#### Call-in information

- Date/time: Tuesday, March 7; 12:00 to 1:30, eastern time
- Call-in #: 
- Code: 

Thanks!

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Jeff Gaines  
Permits Branch (5303P)  
Program Implementation & Information Division (PIID)  
Office of Resource Conservation & Recovery (ORCR)  
S-6222  
South Potomac Yard  
Phone: 703-308-8655

*"The most exciting phrase to hear in science, the one that heralds the most discoveries, is not "Eureka!" (I found it!) but "That's funny.""* — Isaac Asimov



**Consolidated Report to the AA**  
Office of Land and Emergency Management  
*Office of Resource Conservation and Recovery*  
**for the Weeks of 12/5/16 – 12/16/16**

**Informational/No Action**

**RCRA Subtitle C Permit - Tradebe**

- On December 5<sup>th</sup>, representatives from Tradebe Treatment and Recycling, LLC are meeting with ORCR. Tradebe is located in East Chicago, IN and accepts a wide variety of off-site wastes, including hazardous wastes. Their core process is liquid distillation for solvent recovery; other main processes are fuel blending and operation of solids distillation systems (SDS) that produce a degreaser product and fuels that are sent to hazardous waste burning cement kilns. The Environmental Technology Council (ETC) has objected to Indiana's decision to not require a RCRA subtitle C permit for the thermal treatment/recycling operations associated with their SDS operations (in part) because three facilities were required to obtain RCRA permits in Region 6 for similar activities. The ETC has stated that they intend to file a RCRA citizen's suit if the matter is not corrected. ORCR is working closely with Regions 5 and 6 to assess the issue.

**Sustainable Materials Management**

- On December 6<sup>th</sup>, glass industry representatives will be meeting with ORCR regarding recycling measurement, the WARM model, and the current EPA waste hierarchy.
- On December 13<sup>th</sup>, ORCR will be meeting with Susan Robinson from Waste Management to discuss ongoing and future Waste Management and EPA efforts related to materials measurement.

**CERCLA 108(b)**

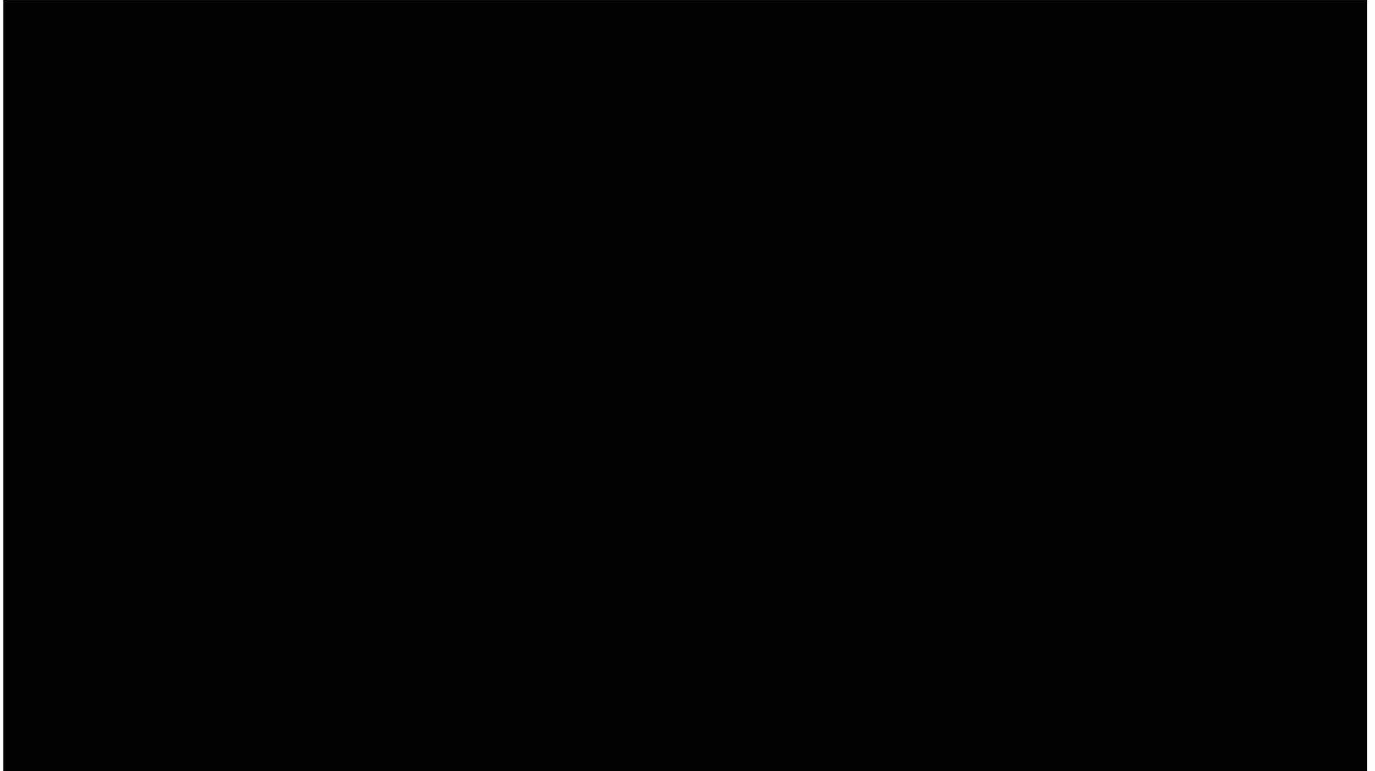
- ORCR is meeting with groups of stakeholders including environmental groups, the hard rock mining industry, Congressional reps, financial instruments, and states, to provide a brief overview of the Hard Rock Mining rule.

**Speaking Engagements in the next 60 days**

- On December 6<sup>th</sup>, Barnes Johnson will participate in Region 4's EPA-States, RCRA Director meeting in Atlanta, Georgia.
- On December 8<sup>th</sup>, ORCR will host RCRA Next – a one day discussion forum for exploring the directions RCRA could take during the next 40 years. Invited speakers will include stakeholders from industry, government, and others.
- On December 12-13, Kathleen Salyer will participate in the Resource Efficiency and Low Carbon Society: Identifying Opportunities and Implications under the G7-Alliance on Resource Efficiency in Tokyo, Japan. Kathleen will provide an update of U.S. work and participate in discussions to further resource efficiency in the U.S. and worldwide.
- On December 14-15, Kathleen Salyer will provide an update of U.S. work on sustainable materials management at the Workshop on International Resource Recycling under the G7-Alliance on Resource Efficiency in Tokyo, Japan.
- On January 7, Barnes Johnson will attend the Consumer Electronics Show in Las Vegas to present awards to e-Challenge participants and moderate a discussion panel entitled, "Sustainability Issues for a New Administration/Congress."

- (NEW) From January 10-12, Barnes Johnson (tentative) will chair the first meeting of the e-Manifest Advisory Board, to be held in Arlington, VA. The meeting will focus on systems operations for Day 1 of e-Manifest and user fees.

**Public Announcements in the next 60 days**



## Appointment

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**From:** Gerhard, Sasha [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=409F48684EB4422CB13177FC9702D0FA-GERHARD, SASHA]  
**Sent:** 6/6/2017 3:53:39 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
**Subject:** Accepted: tdu round 3  
**Location:** DCRoomPYS6731/DC-Potomac-Yard-South-ORCR  
**Start:** 6/7/2017 1:00:00 PM  
**End:** 6/7/2017 2:00:00 PM  
  
**Recurrence:** (none)

Can you all call me again at [REDACTED] ? Thanks!

## Appointment

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**From:** Microsoft Outlook [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=MICROSOFTEXCHANGE329E71EC88AE4615BBC36AB6CE41109EF7088051]  
**Sent:** 11/4/2016 4:02:28 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
**Subject:** Meeting Forward Notification: Tradebe update: C [REDACTED]  
**Location:** DCRoomPYS6731/DC-Potomac-Yard-South-ORCR [REDACTED]  
**Start:** 11/4/2016 5:30:00 PM  
**End:** 11/4/2016 6:30:00 PM  
**Recurrence:** (none)

## Your meeting was forwarded

Colon, Lilybeth has forwarded your meeting request to additional recipients.

### Meeting

Tradebe update: Call-in #: [REDACTED]

### Meeting Time

Friday, November 4, 2016 1:30 PM-2:30 PM.

### Recipients

Radtke, Meghan

All times listed are in the following time zone: (UTC-05:00) Eastern Time (US & Canada)

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Sent by Microsoft Exchange Server

## Appointment

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**From:** Lee, Jae [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6E8957DA9F254AAB83632814F05D1CD2-JLEE10]  
**Sent:** 11/3/2016 1:35:54 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
**Subject:** Accepted: Tradebe update: [REDACTED]  
**Location:** DCRoomPYS6731/DC-Potomac-Yard-South-ORCR  
**Start:** 11/4/2016 5:30:00 PM  
**End:** 11/4/2016 6:30:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Colon, Lilybeth [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6AE6D0CC3F984B08B8101569A2CF6308-COLON, LILYBETH]  
**Sent:** 11/2/2016 7:37:18 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
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**Start:** 11/4/2016 5:30:00 PM  
**End:** 11/4/2016 6:30:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Setnicar, Mary [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B4CEDAE7B8AA4F3B968D7A6A40DE75EC-MSETNICA]  
**Sent:** 11/2/2016 6:38:14 PM  
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**Subject:** Declined: Tradebe update: [REDACTED]  
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**Start:** 11/4/2016 5:30:00 PM  
**End:** 11/4/2016 6:30:00 PM  
**Show Time As:** Busy

It is my compressed day off, but if it's good for everyone else, please don't schedule around me. Assuming he's available, Jae Lee can represent permitting

## Appointment

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**From:** Cunningham, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0CE197B42B574909995FE91BDFE04BA6-MCUNNING]  
**Sent:** 11/2/2016 4:49:02 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
**Subject:** Accepted: FW: Tradebe update: Call-in #: [REDACTED]  
**Location:** DCRoomPYS6731/DC-Potomac-Yard-South-ORCR  
**Start:** 11/4/2016 5:30:00 PM  
**End:** 11/4/2016 6:30:00 PM  
**Show Time As:** Busy



## Appointment

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**From:** Crossland, Andy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=81610968976F4884852FB0C5265D384E-CROSSLAND, ANDY]  
**Sent:** 11/2/2016 4:41:30 PM  
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**Start:** 11/4/2016 5:30:00 PM  
**End:** 11/4/2016 6:30:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Young, Jessica [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=26404C78D3DC441F810AC723CF8F9D49-JBIEGELS]  
**Sent:** 11/2/2016 4:16:39 PM  
**To:** Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]  
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**Show Time As:** Busy

## Appointment

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**Subject:** Meeting Forward Notification: Tradebe update: [REDACTED]  
**Location:** DCRoomPYS6731/DC-Potomac-Yard-South-ORCR  
**Start:** 11/4/2016 5:30:00 PM  
**End:** 11/4/2016 6:30:00 PM  
**Recurrence:** (none)

## Your meeting was forwarded

Valentino, Michael has forwarded your meeting request to additional recipients.

### Meeting

Tradebe update: Call-in #: [REDACTED]

### Meeting Time

Friday, November 4, 2016 1:30 PM-2:30 PM.

### Recipients

Cunningham, Michael

All times listed are in the following time zone: (UTC-05:00) Eastern Time (US & Canada)

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Sent by Microsoft Exchange Server

## Appointment

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**From:** DCRoomPYS6731/DC-Potomac-Yard-South-ORCR [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=USER7EF195FB]  
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**Subject:** Accepted: Tradebe update: [REDACTED]  
**Location:** DCRoomPYS6731/DC-Potomac-Yard-South-ORCR  
**Start:** 11/4/2016 5:30:00 PM  
**End:** 11/4/2016 6:30:00 PM  
**Recurrence:** (none)

**Your request was accepted.**

---

Sent by Microsoft Exchange Server 2016

## Appointment

---

**From:** Lee, Jae [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6E8957DA9F254AAB83632814F05D1CD2-JLEE10]  
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**Attachments:** Agenda 6-20-2017.docx  
**Location:** DCRoomPYS6874/DC-Potomac-Yard-South-ORCR  
  
**Start:** 6/20/2017 4:30:00 PM  
**End:** 6/20/2017 6:00:00 PM  
**Show Time As:** Tentative

Room #1715 was reserved.

-----Original Appointment-----

**From:** Behan, Frank  
**Sent:** Friday, June 16, 2017 2:51 PM  
**To:** Behan, Frank; Kohler, Amanda; Galbraith, Michael; Gerhard, Sasha; Colon, Lilybeth; Atagi, Tracy; Young, Jessica; Sager, John; Taylor, Timothy; Schlieger, Brian; Mia, Marcia; Throwe, Scott; Celeste, Laurel; Lemieux, Paul; Lee, Chun; Yee, Stephen; Tisa, Kimberly; Dahl, Donald; Smuts, MaryBeth; Lancey, Susan; Brogard, John; Palomino, Wilfredo; Haklar, James; Chin, Vivian; Chan, Suilin; Leung, Chao; Ghaffari, Mozafar; Dholakia, Umesh; Chalmers, ray; Mahoney, Michael; Olhasso, Alizabeth; Rice, Scott; Yussen, Craig; morris, makeba; Clibanoff, Andrew; Hall, Kristen; Housley, Denise; Aiyar, Raj; Summers, Mary; Majumder, Joydeb; Ceron, Leonardo; Gillam, Rick; Page, Lee; Lee, Jae; Greensley, Jean; Valenziano, Beth; Damico, Genevieve; Marshall, Sarah; Hall, Charles; Ramaly, Todd; Lambesis, Christopher; Shah, Harry; Kaleri, Cynthia; Fruitwala, Kishor; Landry, Larry; Yurk, Jeffrey; Ehrhart, Richard; Roberts, Lou; Sales, James; Herstowski, Ken; Postma, Scott; Knodel, Jon; Daly, Carl; Jacobson, Linda; Okubo, Noreen; Tran, Francis; Rollins, Christopher; Santos, Carmen; Zabaneh, Mahfouz; Meyer, Linda; Bartus, Dave; Valdez, Heather; bill.fanska\_dnr.mo.gov; hynum@adeq.state.ar.us; doug.knappe@state.co.us; brian.english@deq.idaho.gov; PBANSCH@idem.IN.gov; SSellmeyer\_kdhe.state.ks.us; April.Webb@ky.gov; donelson.caffery\_la.gov; Sarah.Baquet\_la.gov; ssariscak\_mde.state.md.us; rich.nussbaum@dnr.mo.gov; james.lansing@dec.ny.gov; katherine.oneal\_ncmail.net; erik.bewley\_epa.state.oh.us; aida fuentes\_jca.gobierno.pr; Rick.Whitson\_State.TN.US; rgrandy\_utah.gov; jrandolph\_utah.gov; leslie.romanchik@deq.virginia.gov; hvakili\_deq.virginia.gov; JYok461@ecy.wa.gov; francisco\_gutterres@dot.ca.gov; Richard.A.Boehm\_wv.gov; Joshua.M.Woody\_wv.gov; Brittany.Smith\_epa.state.oh.us; dyprunie\_gw.dec.state.ny.us; Ashby.Scott\_deq.virginia.gov; BOWERSJB\_dhec.sc.gov; corderwm\_dhec.sc.gov; katherine.oneal\_ncdenr.gov; Kim.Custer\_deq.idaho.gov  
**Cc:** Gutterres, Francisco H@DOT; suna.sariscak@maryland.gov; Brittany.Schuch@epa.ohio.gov; Sadler, Bill; Sligh, Terry; rich@adeq.state.ar.us  
**Subject:** Joint HWC Issues Conference Call  
**When:** Tuesday, June 20, 2017 12:30 PM-2:00 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** DCRoomPYS6874/DC-Potomac-Yard-South-ORCR

**\*\*\* June 19 – agenda for meeting added as an attachment to the meeting invitation \*\*\***

The Joint Hazardous Waste Combustion Issues Conference Call will be held on **Tuesday, June 20, from 12:30 - 2:00 PM (Eastern time)**. I will update this calendar invitation with the agenda on Monday. Thanks

Below is the call-in information for call:

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**Call in number:**  
**Conference Code:**



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Point of contact:  
Frank Behan  
US EPA/Office of Resource Conservation and Recovery  
703-308-8476

## Appointment

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**From:** Behan, Frank [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B37B3A6D67644AD3BF5717D99610941E-FBEHAN]  
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**Subject:** Joint HWC Issues Conference Call  
**Attachments:** Agenda 6-20-2017.docx  
**Location:** DCRoomPYS6874/DC-Potomac-Yard-South-ORCR

**Start:** 6/20/2017 4:30:00 PM  
**End:** 6/20/2017 6:00:00 PM  
**Show Time As:** Tentative

**\*\*\* June 19 – agenda for meeting added as an attachment to the meeting invitation \*\*\***

The Joint Hazardous Waste Combustion Issues Conference Call will be held on **Tuesday, June 20, from 12:30 - 2:00 PM (Eastern time)**. I will update this calendar invitation with the agenda on Monday. Thanks

Below is the call-in information for call:

**Call in number:**  
**Conference Code:**



---

Point of contact:

Frank Behan

US EPA/Office of Resource Conservation and Recovery

703-308-8476

## Appointment

---

**From:** Galbraith, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0ABF7F5C1A5E462E8096CB58EF9757EB-MGALBRAI]  
**Sent:** 11/14/2017 12:50:27 PM  
**To:** Valdez, Heather [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eb323347294d44009a369c3576798bdf-Valdez, Heather]; Knittel, Janette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a955f914e8d34cb19b6f63ac60707d32-Knittel, Janette]; Davies, Lynne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=169eb6cbdebb4caf85f76390b8ab2674-LDavie12]; Gerhard, Sasha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=409f48684eb4422cb13177fc9702d0fa-Gerhard, Sasha]  
**CC:** Behan, Frank [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b37b3a6d67644ad3bf5717d99610941e-FBEHAN]; Atagi, Tracy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ebcfd670077440dfb63a691749f20af2-TATAGI]; Mullin, Michelle [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2ae5fc11b98742bab4287b61e107018c-Mullin, Michelle R]  
**BCC:** DCRoomPYS6874/DC-Potomac-Yard-South-ORCR [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user69b5f6bd]  
**Subject:** fun with tdus  
**Location:** DCRoomPYS6874/DC-Potomac-Yard-South-ORCR  
**Start:** 11/14/2017 5:00:00 PM  
**End:** 11/14/2017 6:00:00 PM  
**Show Time As:** Tentative

Updated to include conference line: [REDACTED]

Discussion between HQ and R10 on latest regarding tradebe tdu issue; CWM status; and path forward.

## Appointment

---

**From:** Galbraith, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0ABF7F5C1A5E462E8096CB58EF9757EB-MGALBRAI]  
**Sent:** 9/14/2017 1:13:19 PM  
**To:** Valentino, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=29ccd101653e4a5fae2273a9ae9f7bd0-MValenti]  
**Subject:** FW: TDU Discussion with ETC  
**Location:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR  
**Start:** 9/14/2017 3:00:00 PM  
**End:** 9/14/2017 4:00:00 PM  
**Show Time As:** Tentative

-----Original Appointment-----

**From:** Johnson, Barnes  
**Sent:** Monday, August 28, 2017 10:57 AM  
**To:** Johnson, Barnes; dcase@etc.org; Devlin, Betsy; Elliott, Ross; Young, Jessica; Behan, Frank; Atagi, Tracy; Sasseville, Sonya; Guernica, Mimi; Kohler, Amanda; Galbraith, Michael; Victorine, Gary; Radtke, Meghan; Huggins, Richard; Spalding, Susan  
**Cc:** Cunningham, Michael; Murdock, James; Przyborski, Jay; Jones, Bruce; Tidmore, Guy; Potts, Mark; Fruitwala, Kishor; Stenger, Wren; Price, Lisa; Gerhard, Sasha; Celeste, Laurel; Valentino, Michael; Lee, Jae  
**Subject:** TDU Discussion with ETC  
**When:** Thursday, September 14, 2017 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR

Call In Number: [REDACTED]

### The following ETC members will join David R. Case and James Williams:

Phil Retallick, Clean Harbors, Lexington, SC  
Andrew Marshall, US Ecology, Boise, ID  
Craig Hogarth, Heritage, Indianapolis, IN  
Nick Maoloni, Ross Environmental, Elyria, OH  
Todd Washburn, Waste Management, Houston, TX  
Jim Denson, Waste Management, Portland, OR  
Mark Noel, Waste Management, Baton Rouge, LA

### In addition, the following will join by conference call:

Carrie Beringer, Heritage Thermal, East Liverpool, OH  
Angie Martin, Heritage, Indianapolis, IN  
Tom Baker, Veolia, Flanders, NJ

## Appointment


---

**From:** Galbraith, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0ABF7F5C1A5E462E8096CB58EF9757EB-MGALBRAI]  
**Sent:** 9/11/2017 8:16:17 PM  
**To:** Lee, Jae [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e8957da9f254aab83632814f05d1cd2-JLee10]  
**Subject:** Fw: TDUs Part 2  
**Location:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR  
**Start:** 9/12/2017 6:00:00 PM  
**End:** 9/12/2017 7:00:00 PM  
**Show Time As:** Tentative

Mike Galbraith  
Permits Branch (5303P)  
Program Implementation/Information Division  
Office of Resource Conservation and Recovery  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

---

**From:** Johnson, Barnes  
**Sent:** Friday, August 25, 2017 12:18 PM  
**To:** Johnson, Barnes; Devlin, Betsy; Elliott, Ross; Young, Jessica; Behan, Frank; Atagi, Tracy; Sasseville, Sonya; Guernica, Mimi; Kohler, Amanda; Galbraith, Michael; Huggins, Richard; Radtke, Meghan  
**Cc:** Victorine, Gary; Spalding, Susan; Fruitwala, Kishor; Tidmore, Guy; Valentino, Michael; Cunningham, Michael; Setnicar, Mary; Murdock, James; Przyborski, Jay; Jones, Bruce; Potts, Mark; Stenger, Wren; Price, Lisa; Celeste, Laurel  
**Subject:** TDUs Part 2  
**When:** Tuesday, September 12, 2017 2:00 PM-3:00 PM.  
**Where:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR  
**PURPOSE:** Prepare for the TUD discussion with ETC/David Case.



Appointment

---

**From:** Galbraith, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0ABF7F5C1A5E462E8096CB58EF9757EB-MGALBRAI]  
**Sent:** 9/11/2017 8:03:39 PM  
**To:** Valentino, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=29ccd101653e4a5fae2273a9ae9f7bd0-MValenti]; Lee, Jae [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e8957da9f254aab83632814f05d1cd2-JLee10]  
**Subject:** Fw: TDU Discussion with ETC  
**Location:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR  
**Start:** 9/14/2017 3:00:00 PM  
**End:** 9/14/2017 4:00:00 PM  
**Show Time As:** Tentative

Mike Galbraith  
Permits Branch (5303P)  
Program Implementation/Information Division  
Office of Resource Conservation and Recovery  
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1200 Pennsylvania Avenue, NW  
Washington, DC 20460

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**To:** Johnson, Barnes; dcase@etc.org; Devlin, Betsy; Elliott, Ross; Young, Jessica; Behan, Frank; Atagi, Tracy; Sasseville, Sonya; Guernica, Mimi; Kohler, Amanda; Galbraith, Michael; Victorine, Gary; Radtke, Meghan; Huggins, Richard; Spalding, Susan  
**Cc:** Cunningham, Michael; Murdock, James; Przyborski, Jay; Jones, Bruce; Tidmore, Guy; Potts, Mark; Fruitwala, Kishor; Stenger, Wren; Price, Lisa; Gerhard, Sasha; Celeste, Laurel  
**Subject:** TDU Discussion with ETC  
**When:** Thursday, September 14, 2017 11:00 AM-12:00 PM.  
**Where:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR  
[REDACTED]

**The following ETC members will join David R. Case and James Williams:**

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Andrew Marshall, US Ecology, Boise, ID  
Craig Hogarth, Heritage, Indianapolis, IN  
Nick Maoloni, Ross Environmental, Elyria, OH  
Todd Washburn, Waste Management, Houston, TX  
Jim Denson, Waste Management, Portland, OR  
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**In addition, the following will join by conference call:**

Carrie Beringer, Heritage Thermal, East Liverpool, OH  
Angie Martin, Heritage, Indianapolis, IN

Tom Baker, Veolia, Flanders, NJ



## Appointment

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**From:** Galbraith, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0ABF7F5C1A5E462E8096CB58EF9757EB-MGALBRAI]  
**Sent:** 9/19/2017 1:59:27 PM  
**To:** Atagi, Tracy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ebcfd670077440dfb63a691749f20af2-TATAGI]; Behan, Frank [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b37b3a6d67644ad3bf5717d99610941e-FBEHAN]; Gerhard, Sasha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=409f48684eb4422cb13177fc9702d0fa-Gerhard, Sasha]; Kohler, Amanda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=665a6cdd3371457fb03d5184f58f7a4a-Kohler, Amanda]; Young, Jessica [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=26404c78d3dc441f810ac723cf8f9d49-JBIEGELS]; Valentino, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=29ccd101653e4a5fae2273a9ae9f7bd0-MValenti]; Lee, Jae [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e8957da9f254aab83632814f05d1cd2-JLee10]  
**CC:** Swetland-Johnson, Karen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a916f4dac0d84c3499b44ee837ae0205-Swetland, K]; Setnicar, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b4cedae7b8aa4f3b968d7a6a40de75ec-MSetnica]; Cunningham, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0ce197b42b574909995fe91bdfe04ba6-MCunning]  
**BCC:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user8c17dd2e]  
**Subject:** meeting with Tradebe technical reps: Call-in: [REDACTED]  
**Location:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR  
**Start:** 9/28/2017 2:00:00 PM  
**End:** 9/28/2017 3:30:00 PM  
**Show Time As:** Tentative

Tradebe technical reps flying in to discuss their SDS system

Updated to add conf line: [REDACTED]

## Appointment

---

**From:** Galbraith, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0ABF7F5C1A5E462E8096CB58EF9757EB-MGALBRAI]  
**Sent:** 9/19/2017 1:58:16 PM  
**To:** Gerhard, Sasha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=409f48684eb4422cb13177fc9702d0fa-Gerhard, Sasha]; Behan, Frank [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b37b3a6d67644ad3bf5717d99610941e-FBEHAN]; Atagi, Tracy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ebcfd670077440dfb63a691749f20af2-TATAGI]; Valentino, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=29ccd101653e4a5fae2273a9ae9f7bd0-MValenti]; Lee, Jae [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e8957da9f254aab83632814f05d1cd2-JLee10]  
**CC:** Kohler, Amanda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=665a6cdd3371457fb03d5184f58f7a4a-Kohler, Amanda]; Young, Jessica [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=26404c78d3dc441f810ac723cf8f9d49-JBIEGELS]; Setnicar, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b4cedae7b8aa4f3b968d7a6a40de75ec-MSetnica]; Cunningham, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0ce197b42b574909995fe91bdfe04ba6-MCunning]  
**BCC:** DCRoomPYS6811VTC/DC-Potomac-Yard-South-ORCR [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=usercb6514b1]  
**Subject:** tradebe discussion with region 5: [REDACTED]  
**Location:** DCRoomPYS6811VTC/DC-Potomac-Yard-South-ORCR  
**Start:** 9/20/2017 4:30:00 PM  
**End:** 9/20/2017 5:30:00 PM  
**Show Time As:** Tentative

discuss tradebe next steps with region 5

Updated to add conf call: [REDACTED]

Appointment

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**From:** Galbraith, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0ABF7F5C1A5E462E8096CB58EF9757EB-MGALBRAI]  
**Sent:** 9/11/2017 2:57:57 PM  
**To:** Celeste, Laurel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8f5194a050ce4b758e02e6835fe0b43d-Celeste, Laurel]  
**Subject:** Fw: TDU Discussion with ETC  
**Location:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR  
**Start:** 9/14/2017 3:00:00 PM  
**End:** 9/14/2017 4:00:00 PM  
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Mike Galbraith  
Permits Branch (5303P)  
Program Implementation/Information Division  
Office of Resource Conservation and Recovery  
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1200 Pennsylvania Avenue, NW  
Washington, DC 20460

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**Cc:** Cunningham, Michael; Murdock, James; Przyborski, Jay; Jones, Bruce; Tidmore, Guy; Potts, Mark; Fruitwala, Kishor; Stenger, Wren; Price, Lisa; Gerhard, Sasha  
**Subject:** TDU Discussion with ETC  
**When:** Thursday, September 14, 2017 11:00 AM-12:00 PM.  
**Where:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR  
Call In Number: [REDACTED]

**The following ETC members will join David R. Case and James Williams:**

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Craig Hogarth, Heritage, Indianapolis, IN  
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Tom Baker, Veolia, Flanders, NJ

## Appointment


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**Sent:** 9/11/2017 2:57:05 PM  
**To:** Celeste, Laurel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8f5194a050ce4b758e02e6835fe0b43d-Celeste, Laurel]  
**Subject:** Fw: TDUs Part 2  
**Location:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR  
**Start:** 9/12/2017 6:00:00 PM  
**End:** 9/12/2017 7:00:00 PM  
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**Cc:** Gerhard, Sasha; Victorine, Gary; Spalding, Susan; Fruitwala, Kishor; Tidmore, Guy; Lee, Jae; Valentino, Michael; Cunningham, Michael; Setnicar, Mary; Murdock, James; Przyborski, Jay; Jones, Bruce; Potts, Mark; Stenger, Wren; Price, Lisa  
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**Where:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR  
**PURPOSE:** Prepare for the TUD discussion with ETC/David Case.



## Appointment

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**Sent:** 9/11/2017 2:54:41 PM  
**To:** Victorine, Gary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=62bfb0d07a1749e59a3b54f7f4a1e191-GVictori]; Spalding, Susan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17fb5ab7a65145d4bde2327fc6d02378-Spalding, Susan]; Fruitwala, Kishor [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7a19009ba86a4236b97131d5d16f2fae-Fruitwala, Kishor]; Tidmore, Guy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e9af087a1ce4703b25a4a8e6fa048dd-Tidmore, Guy]; Lee, Jae [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e8957da9f254aab83632814f05d1cd2-JLee10]; Valentino, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=29ccd101653e4a5fae2273a9ae9f7bd0-MValenti]; Cunningham, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0ce197b42b574909995fe91bdfe04ba6-MCunning]; Setnicar, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b4cedae7b8aa4f3b968d7a6a40de75ec-MSetnica]; Murdock, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=48b208f9db8948879d95fac971dc03f3-Murdock, Ja]; Przyborski, Jay [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d9b737242096491996b9d73451f3e848-Przyborski, Jay]; Jones, Bruce [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9026926c877140cbae1d4c0739729813-Jones, Bruce]; Potts, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f0f11dc437f944fd8cb779b3316de870-Potts, Mark]; Stenger, Wren [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c109285f44b14f70a224be41ab99e9e2-Stenger, Wren]; Price, Lisa [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b4a7d6cc6094c868ffef7fcf3225245-Price, Lisa]  
**Subject:** Fw: TDUs Part 2  
**Location:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR  
**Start:** 9/12/2017 6:00:00 PM  
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Mike Galbraith  
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**Cc:** Gerhard, Sasha

**Subject:** TDUs Part 2

**When:** Tuesday, September 12, 2017 2:00 PM-3:00 PM.

**Where:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR

**PURPOSE:** Prepare for the TUD discussion with ETC/David Case.



## Appointment

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**From:** Galbraith, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0ABF7F5C1A5E462E8096CB58EF9757EB-MGALBRAI]  
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**Start:** 9/14/2017 3:00:00 PM  
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Mike Galbraith  
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Call In Number: [REDACTED]

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Appointment

---

**From:** Galbraith, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0ABF7F5C1A5E462E8096CB58EF9757EB-MGALBRAI]  
**Sent:** 4/14/2017 12:12:19 PM  
**To:** Kohler, Amanda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=665a6cdd3371457fb03d5184f58f7a4a-Kohler, Amanda]  
**Subject:** Fw: Tradebe Discussion  
**Location:** 1712  
  
**Start:** 4/17/2017 4:00:00 PM  
**End:** 4/17/2017 5:00:00 PM  
**Show Time As:** Tentative

Mike Galbraith  
Permits Branch (5303P)  
Program Implementation/Information Division  
Office of Resource Conservation and Recovery  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

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**From:** Lee, Jae  
**Sent:** Tuesday, April 4, 2017 2:59 PM  
**To:** Lee, Jae; Valentino, Michael; Victorine, Gary; Setnicar, Mary; Chow, Kevin; Galbraith, Michael; Fruitwala, Kishor; Tidmore, Guy; Atagi, Tracy; Shah, Harry; Cunningham, Michael; R5LCD-ConfCallLine-RCRA/Conference-Call-Line/R5-LCD  
**Cc:** Young, Jessica; Behan, Frank  
**Subject:** Tradebe Discussion  
**When:** Monday, April 17, 2017 12:00 PM-1:00 PM.  
**Where:** 1712

It seems that April 17, 11:00am, CDT is a best time for all. Kishor might be conflict for 15 minutes. I hope he can join us a little late.



Conference room #1712B is reserved for Region 5 staffs



## Appointment

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**From:** Galbraith, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0ABF7F5C1A5E462E8096CB58EF9757EB-MGALBRAI]  
**Sent:** 4/18/2017 5:32:22 PM  
**To:** Atagi, Tracy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ebcfd670077440dfb63a691749f20af2-TATAGI]; Behan, Frank [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b37b3a6d67644ad3bf5717d99610941e-FBEHAN]  
**CC:** Kohler, Amanda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=665a6cdd3371457fb03d5184f58f7a4a-Kohler, Amanda]; Young, Jessica [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=26404c78d3dc441f810ac723cf8f9d49-JBIEGELS]  
**BCC:** DCRoomPYS6731/DC-Potomac-Yard-South-ORCR [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user7ef195fb]  
**Subject:** tradebe conf call  
**Location:** DCRoomPYS6731/DC-Potomac-Yard-South-ORCR  
**Start:** 4/18/2017 6:00:00 PM  
**End:** 4/18/2017 7:00:00 PM  
**Show Time As:** Tentative



## Appointment

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**From:** Galbraith, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0ABF7F5C1A5E462E8096CB58EF9757EB-MGALBRAI]  
**Sent:** 11/2/2016 4:12:58 PM  
**To:** Elliott, Ross [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33cb08013cc94c21a3e3236dbad4c4a4-REELLIOT]; Atagi, Tracy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ebcfd670077440dfb63a691749f20af2-TATAGI]; Young, Jessica [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=26404c78d3dc441f810ac723cf8f9d49-JBIEGELS]; Behan, Frank [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b37b3a6d67644ad3bf5717d99610941e-FBEHAN]; Colon, Lilybeth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6ae6d0cc3f984b08b8101569a2cf6308-Colon, Lilybeth]; Cunningham, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0ce197b42b574909995fe91bdfe04ba6-MCunning]; Lee, Jae [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e8957da9f254aab83632814f05d1cd2-JLee10]; Valentino, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=29ccd101653e4a5fae2273a9ae9f7bd0-MValenti]; Setnicar, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b4cedae7b8aa4f3b968d7a6a40de75ec-MSetnica]; Crossland, Andy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=81610968976f4884852fb0c5265d384e-Crossland, Andy]  
**BCC:** DCRoomPYS6731/DC-Potomac-Yard-South-ORCR [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user7ef195fb]  
**Subject:** Tradebe update: Call-in # [REDACTED]  
**Location:** DCRoomPYS6731/DC-Potomac-Yard-South-ORCR  
**Start:** 11/4/2016 5:30:00 PM  
**End:** 11/4/2016 6:30:00 PM  
**Show Time As:** Tentative

Discuss Tradebe and info Region 5 learned from state inspector

Note – Friday was the first day I could schedule this when everyone looked available on calendars. Region 5, if Friday is not a good day let me know and I'll reschedule

For ORCR folks, I reserved room 6731. I'll be teleworking, but will initiate the conference line.


If I missed anyone on the invite, feel free to forward the invite. Thanks!

[REDACTED]



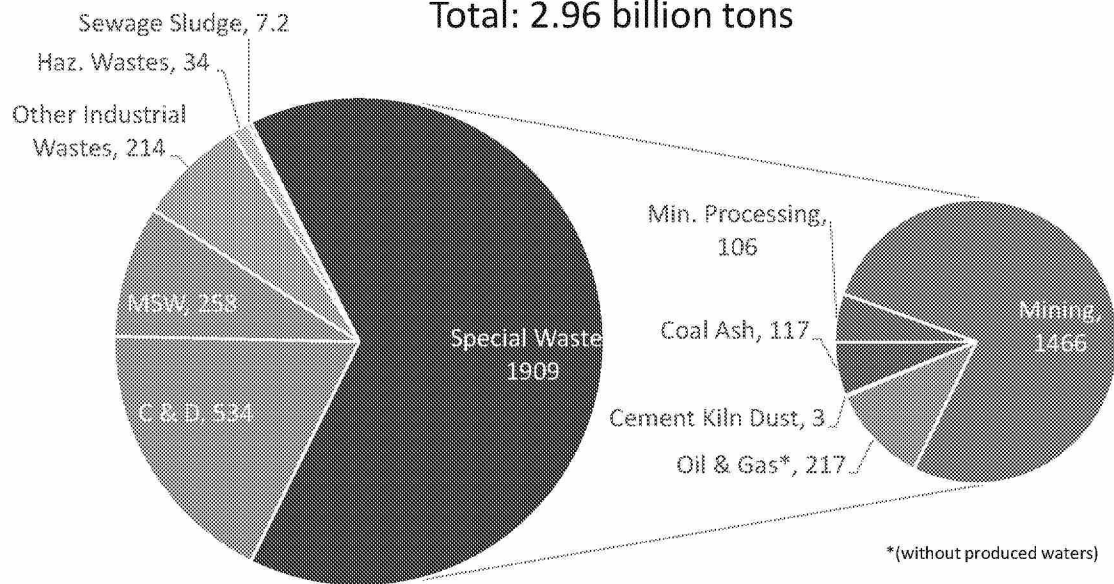
# **RCRA Programmatic Overview and ORCR Priorities**

July 2018



## U.S. Waste Generation (million tons)

Total: 2.96 billion tons

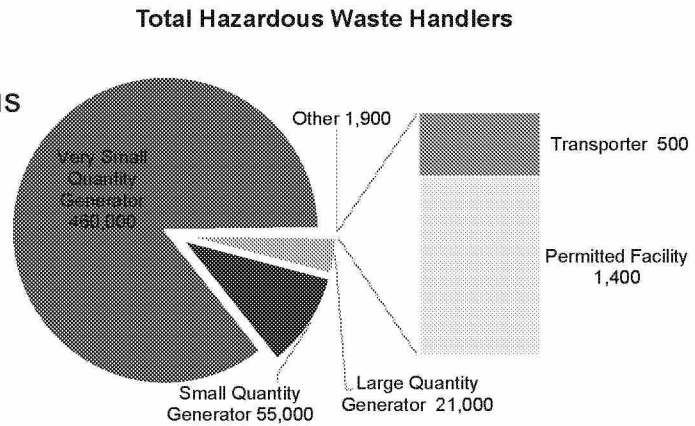


## **Benefits of the RCRA Program**

- Every year in the United States, we generate nine tons of waste per person.
- RCRA provides a framework for an efficient, \$100 billion dollar waste management industry directly employing 379,000 people.
- Ensures the protection of more than 250 million people living in communities near solid and hazardous waste management facilities.
- The overall RCRA program produces economic benefits of \$50B - \$58B, while costs are estimated at \$13.2B.

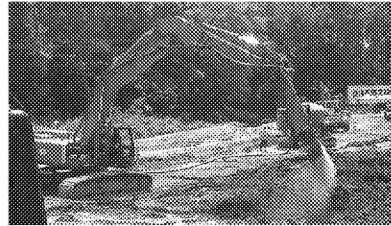
## Subtitle C- Hazardous Waste

- Ensures the safe, cradle to grave management of:
  - 34 million tons of hazardous waste each year
  - 3-5 million shipments per year
  - 538,000 hazardous waste handlers.
- Disaster planning and preparedness
- Information management: RCRAInfo, e-Manifest, Biennial Report, WIETS, and RCRAOnline.



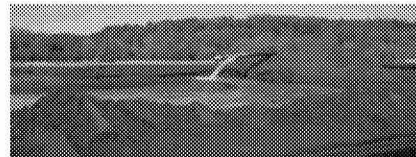
## RCRA Corrective Action

- Currently overseeing private party cleanups of more than 3,700 priority industrial sites from the CA universe.
- Program goals for cleanups:
  - Control human exposures and migration of contaminated groundwater
  - Cleanup technologies constructed and operating
  - Final cleanup standards met
  - Long-Term Stewardship controls in place to protect against future risk
- Focus on RCRA Ready for Anticipated Use (RAU) Strategic Measure
- Applying LEAN to improve program performance.



## Subtitle D: Non-Hazardous Waste

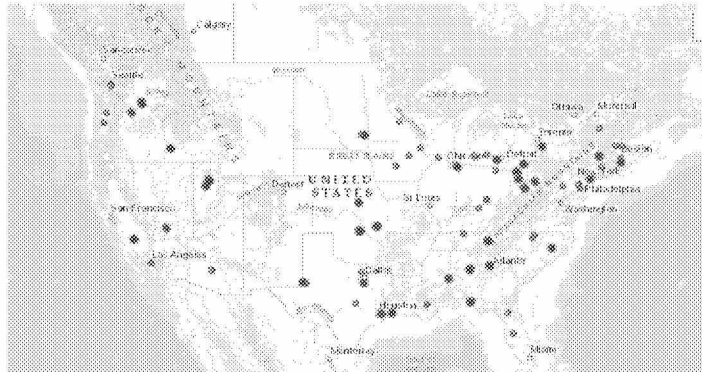
- Principles
  - Operated via direct implementation by regulated entities.
  - Limited federal enforcement authority.
  - Applies to both municipal and various industrial wastes.
  - Operates side by side with state programs.
- Recent examples:
  - MSWLF – Bioreactors.
  - Petroleum exploration and production waste lawsuit.
  - Coal Combustion Residuals (CCR).





## OLEM's TSCA PCB Program

- Approvals – disposal and storage, which are renewed every five years.
- Spill response and cleanup.
- Trans-boundary shipments for disposal – including ship disposal.
- Direct implementation program; not delegated to states.



**Permitted PCB Storage and Disposal Facilities**

Red = PCB Commercial Storage Facilities  
Purple = PCB Disposal Facilities


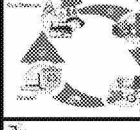
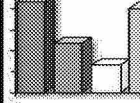
# What is Sustainable Materials Management?

*Sourcing, using and managing natural resources to promote economic growth, resiliency and jobs, and minimize negative environmental impacts.*

## Strategic Priority Areas

	<b>The Built Environment</b>
	<b>Sustainable Food Management</b>
	<b>Sustainable Packaging</b>

## Additional Emphasis Areas

	<b>Sustainable Electronics Management</b>
	<b>Lifecycle Assessment</b>
	<b>International Efforts</b>
	<b>Measurement</b>

8

EPA's SMM program is focused on the following areas with the highest potential for utilizing waste as an energy resource, enhancing supply chain stability, reducing regulatory and non-regulatory barriers that inhibit resource recovery, and promoting job growth:

**Built Environment** –The range and volume of materials, goods, and services used to construct, maintain, and repair U.S. infrastructure (e.g., bridges, roads, wastewater systems, railways, buildings) is complex, involving almost every sector of the U.S. economy. At the same time, over 500 million tons of industrial by-products (e.g., coal ash, iron and steel slag) are generated in the U.S. each year, many of which can be used in construction.

**Electronics Management** – The use of electronic products has grown substantially over the past two decades, changing the way and the speed in which we communicate and how we get information and entertainment. These trends also indicate that electronics will enter the waste stream at an increasing rate.

**Packaging** - This material category comprises the overwhelming majority of MSW generated, presenting a significant opportunity for the application of SMM approaches.

**Sustainable Management of Food** – More than 36 million tons of food is landfilled annually, making it the largest resource entering our landfills today. At the same time billions of dollars are spent annually to purchase food that is wasted.

**Life Cycle Tools** - Life cycle assessment (LCA) continues to be a tool used by states, businesses, and other stakeholders to focus allocation of resources to maximize economic benefits and reduce environmental impacts.

Measurement - Reliable measurement of materials generation, composition, use and disposition and associated environmental and economic benefits is critical to targeting program efforts and measuring progress. EPA aligns information at the federal, state, local, and corporate levels; analyzes historical trends and utilizes this information to examine the current status and forecast future opportunities to maximize materials use in the U.S. Stakeholders can leverage this information to identify and pursue opportunities for maximizing the efficient use of resources.

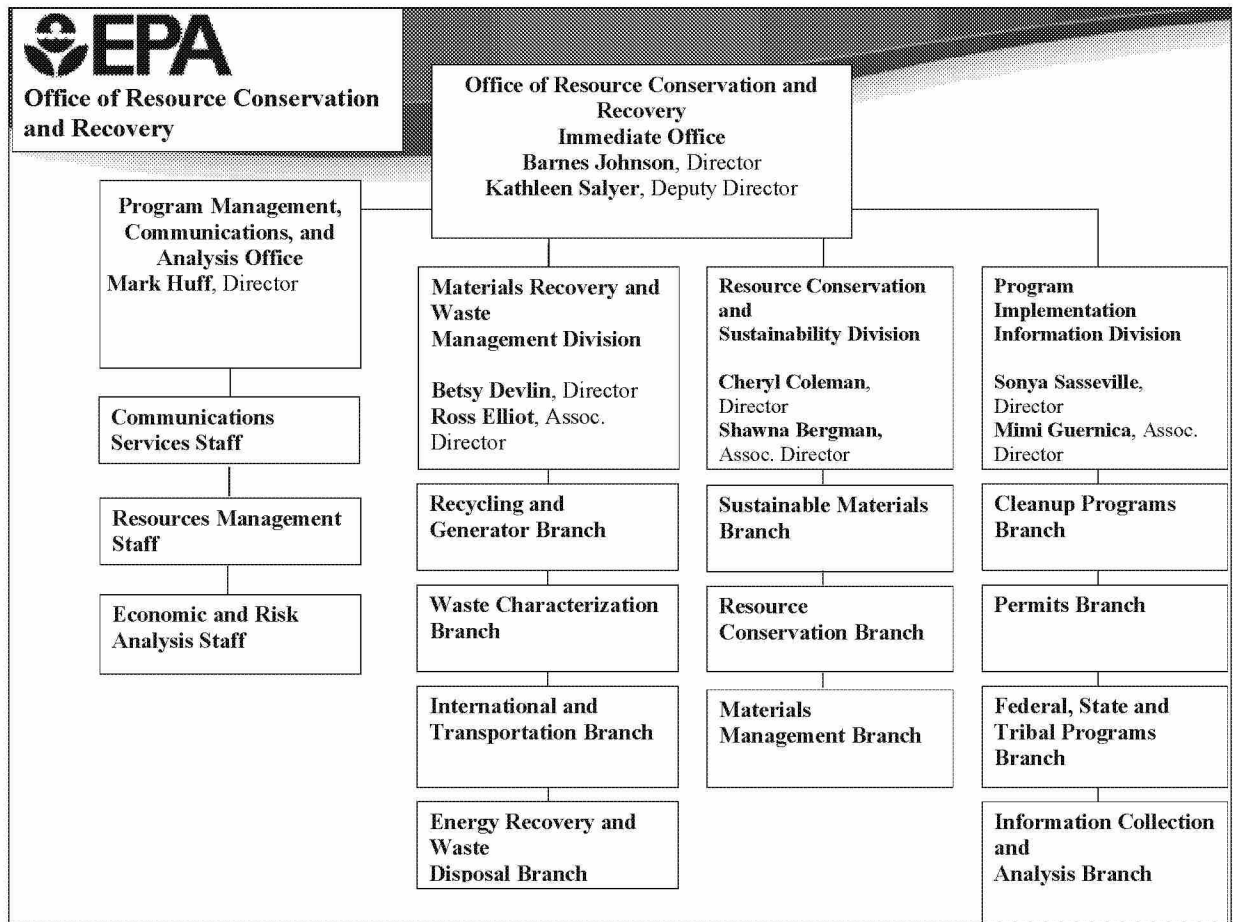
## Collaboration with States and Tribes

- EPA HQ, EPA Regions, States, and Tribes work together to implement the RCRA program.
- EPA is responsible for direct implementation of the RCRA HW program in **2 states**, Corrective Action in **6 states**, and the HW programs in Indian Country for all **573** federally recognized tribes.



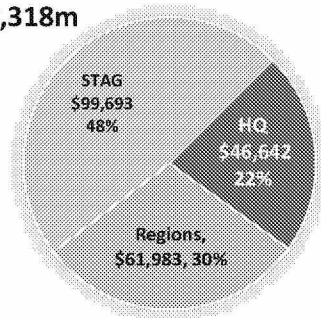


**Office of Resource Conservation  
and Recovery**



# RCRA Program Resources

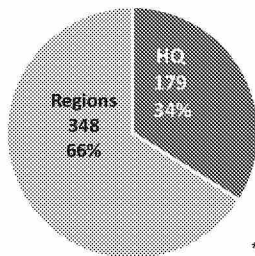
**2018 RCRA Budget**  
\$208,318m



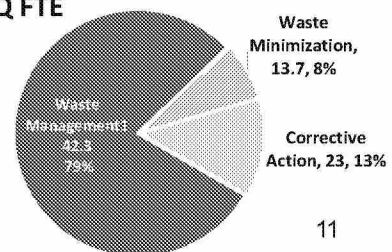
**2018 RCRA HQ Budget**  
\$46,642



**2018 RCRA FTE**  
528  
(502\*)



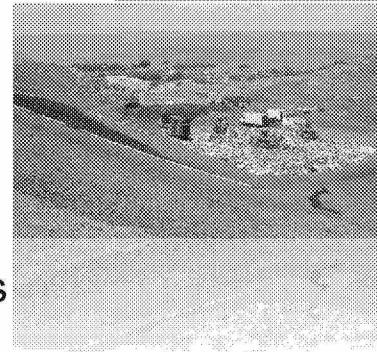
**2018 RCRA HQ FTE**  
179  
(173\*)



\* FTE #s reflect the Agency internal 2018 targets

## Hot Topics

- CCR: rulemaking, state program approval, etc.
- e-Manifest program
- Financial assurance: CERCLA and RCRA
- DSW
- Airbags
- Oil & Gas
- Retail: aerosol cans, pharmaceuticals
- China import ban
- Stakeholder questions





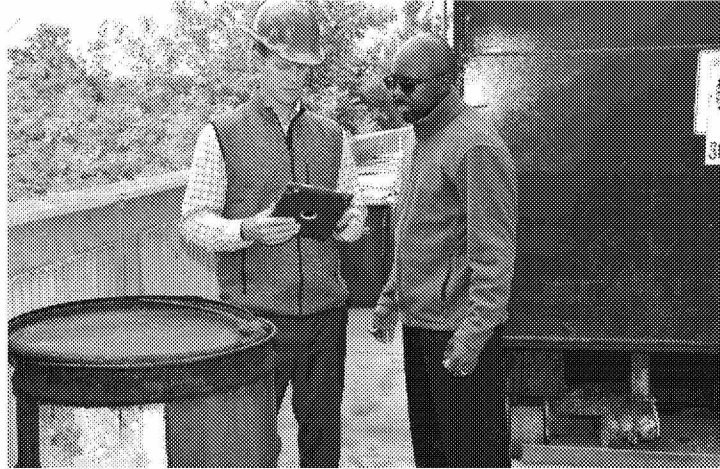
## Coal Ash (CCRs)

- 2015 Final Rule established regulatory requirements for CCR landfills and surface impoundments.
- 2016 WIIN Act provided EPA authority to review and approve State coal ash disposal programs:
  - EPA is permitting authority for states without EPA approval of their coal ash permit program (if congressional appropriations are provided) and on tribal lands.
  - EPA given enforcement authorities for the 2015 rule or state-issued permits.
- Key Short term actions:
  - 4 regulatory actions that revise the 2015 rule and create a federal CCR permit program.
  - Review/approval of State permit programs.
    - OK approved in June (first state to be approved).
    - [REDACTED]
    - [REDACTED]
  - Review of GW monitoring data; triggers for corrective action & closure.
  - [REDACTED]
  - Ongoing litigation: 2015 rule was challenged; portions remanded to EPA (covered in current rulemakings); awaiting decisions on remainder.



## e-Manifest

- On June 30, 2018, EPA launched the e-Manifest system nationwide.
- Provides option to electronically track hazardous waste from cradle to grave.
- Authorized by the 2012 e-Manifest Act and is completely fee-funded.
- Estimated to save industry and states \$90 million a year, once electronic manifests are widely adopted.
- On June 21, OIG issued a Management Alert that raised concerns about the security controls of the system.



# Financial Assurance: CERCLA and RCRA

## **CERCLA 108(b) Rulemakings**

- EPA must develop regulations for classes of facilities to establish financial responsibility consistent with risk.
- Court order establishes a schedule for EPA to propose and take final action.
- In addition to 2018 hard-rock mining final rule, additional classes include (a) chemicals; (b) petroleum and coal products; and (c) electric power.
- Next court ordered milestone: July 2, 2019.

## **OIG Report on RCRA and CERCLA Self-Insurance**

- Raised concerns about the use of self-insurance instruments.
- ORCR working to complete corrective actions designed to strengthen financial assurance program.

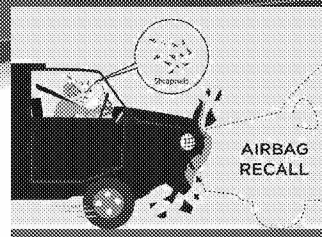




## Definition of Solid Waste

- 2008 DSW final rule added 3 new exclusions and codified definition of legitimate recycling.
  - Rule was designed to increase environmentally “safe” recycling of hazardous secondary materials.
- 2008 final rule challenged by Sierra Club coalition.
  - EPA agreed to rework, and in 2011 proposed revisions that were finalized in 2015.
- 2015 DSW rule challenged by industry and environmental groups.
- In 2018 court vacated portions of the 2015 rule, upheld others, and reinstated a portion of the 2008 rule.
- EPA then published a final rule in May 2018 to implement court decision.
  - This rule was then administratively and judicially challenge by environmental groups.
- Currently developing strategy for response to administrative and judicial actions.
- Continue to provide guidance to States and regulated community on new rule.

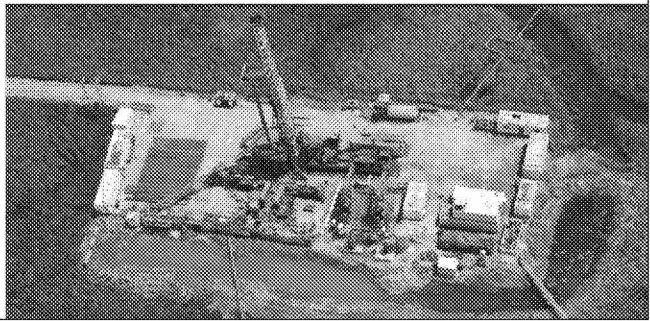
## Airbags



- Takata airbag recall of approximately 66 million airbag inflators has created a waste management concern
- To date there have been 15 deaths in the US and 100's of injuries
- Collaborating with DOT, EPA Regions and States to ensure recalled airbag inflators are safely stored and managed
- Recall raised questions and concerns as to status under RCRA
- EPA clarifying memo 6/23/17
  - Takata inflators not waste while under DOT preservation order
  - Inflators are ignitable/reactive HW once released from DOT order
- Working on additional clarification on how RCRA may apply to non-recalled inflators and airbags across their lifecycle
- Takata bankruptcy proceedings are complete; EPA working on rulemaking to address remaining RCRA issues post bankruptcy

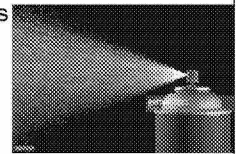
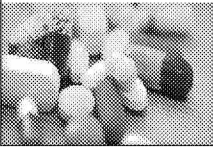
## Oil and Gas E&P Waste

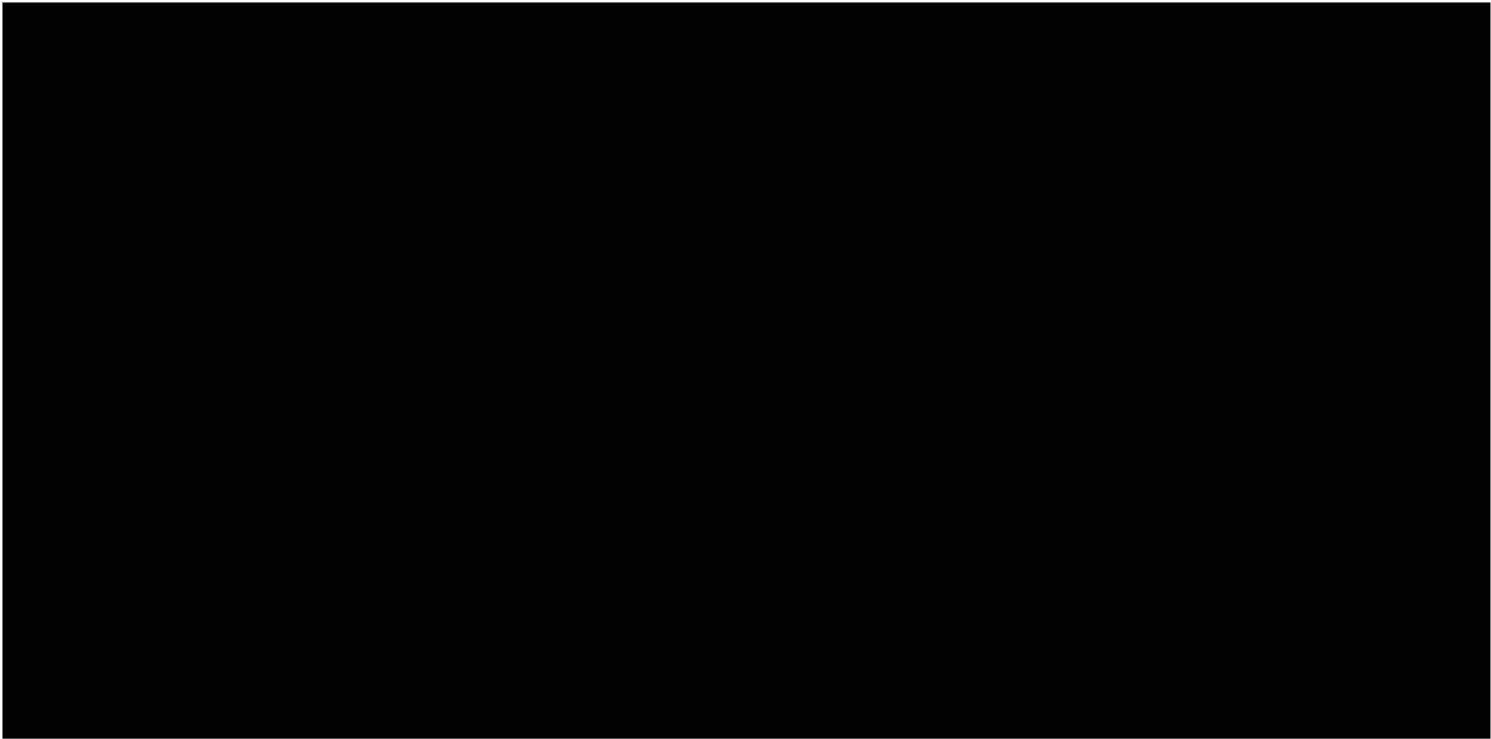
- Lawsuit alleges that EPA failed to review its non-hazardous regulations as required under RCRA 2002(b) to address risks associated with managing wastes from crude oil and natural gas exploration, development and production (E&P waste)
- December 2016 consent decree established March 15, 2019, as the deadline for EPA to either:
  - Propose rulemaking to revise RCRA Subtitle D regulations for E&P waste, or
  - Sign a determination that revising these rules is not necessary
- If EPA proposes regulations, they must be final by July 15, 2021



## RCRA Retail and Pharmaceuticals

- Retail Sector differs from the traditional industrial/manufacturing sector.
- After soliciting input from retail sector, on September 12, 2016 EPA released a Retail Strategy to address key waste issues.
- Retail Strategy identifies EPA activities that will respond to top priorities of the retail sector. EPA is currently working to:
  - Finalize the hazardous waste pharmaceuticals proposed rule
    - The rule also will prohibit the sewerage of hazardous waste pharmaceuticals
    - Final rule is in interagency review; anticipate signature in October 2018.
  - Add aerosol cans to the RCRA Universal Waste program
    - streamlined hazardous waste management standards
    - aerosol cans are one of the largest hazardous waste streams that retail generates.
    - proposed Universal Waste rule March 2018; received generally supportive comments. Developing a schedule for the final regulation.

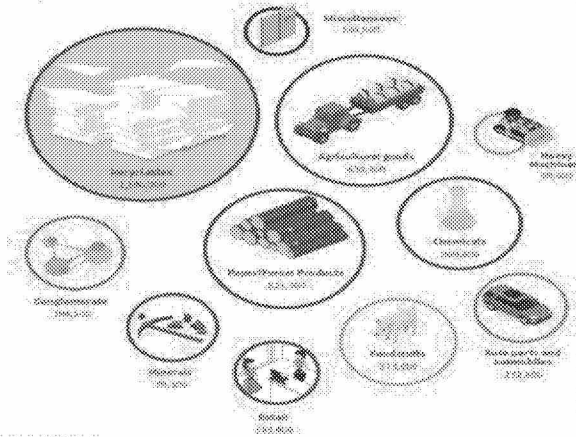




# China Import Ban Impacts US Recycling Industry

## 2017 Top 100 Exports

(in TEU)



Source: JOC.com

## US Impacts

Recyclables are largest US export by volume.

US exports about 35% of scrap materials collected

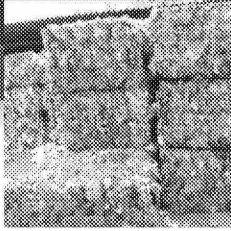
30% of scrap materials collected are sent to China – 17 million tons (paper, plastic and metal) in 2016

Value of US scrap materials sent to China was \$5.6 billion in 2016

## Opportunity

Developing US processing infrastructure and markets for secondary materials  
Boost US economy and jobs





## Stakeholder Questions?

Many questions from stakeholders on specific RCRA topics

- Recent examples:
  - Thermal desorption units
  - Manufacturing process unit exemption
  - RCRA air emissions
  - Airbag recycling
  - Fireworks and energetic waste
  - Land disposal restrictions
  - Recycling infrastructure
  - Hazardous waste listings



# RCRA Performance Metrics

- **Breakthrough Metric**

- Number of RCRA Corrective Action facilities ready for anticipated use (RCRA RAU)

- **Operational / Sustainment Metrics**

- Number of updated permits at RCRA hazardous waste facilities
- Number of RCRA facilities with cleanup technologies constructed and operating
- Number of units with initial controls at RCRA hazardous waste facilities to prevent releases
- *Increase use of e-Manifest, from paper, to 85% over 5 years (data collection starts in June 2018)*

- **Agencywide Permit Reporting Metrics**

- RCRA Hazardous Waste Permits in Backlog
- PCB Disposal, Storage, and Decontamination Approvals/Permits Backlog

- **Six GPRA Goals**

- |  |  |
|--|--|
| – Number of new or updated controls  | – % of RCRA corrective action facilities with migration of groundwater under control           |
| – PCB approvals  | – % of RCRA corrective action facilities with final remedies constructed                       |
| – % of RCRA corrective action facilities with human exposure under control | – % of RCRA corrective action facilities with corrective action performance standards attained |

## Appointment

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**From:** Johnson, Barnes [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C39E9338CBF04DC3B4B29F78E5213303-JOHNSON, BARNES]  
**Sent:** 9/6/2016 7:51:14 PM  
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**CC:** Robinson, Yvonne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=932dcf0f80714f4bba7420549f69fe44-Robinson, Y]; Nick Maoloni\_Ross [nmaoloni@rossenvironmental.com]; Victorine, Gary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=62bfb0d07a1749e59a3b54f7f4a1e191-GVictori]; Arrazola, Ignacio [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7e6150c2599244578256cb9403852f18-IArrazol]; Huggins, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0314e81a1f4843fcbbe0910cfddd53f4-Huggins, Richard]; Swetland-Johnson, Karen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a916f4dac0d84c3499b44ee837ae0205-Swetland, K]; Housman, Van [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=211f8d8965294844a6f9ffdc7fa30014-VHousman]; vhous77@gmail.com; Atagi, Tracy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ebcfd670077440dfb63a691749f20af2-TATAGI]  
**BCC:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user8c17dd2e]  
**Subject:** Discussion on Tradebe Issues  
**Location:** PYS 6100  
**Start:** 9/8/2016 5:00:00 PM  
**End:** 9/8/2016 6:00:00 PM  
**Show Time As:** Busy  
**Recurrence:** (none)

call in 1 [REDACTED]

code 7 [REDACTED]

POC Richard Huggins [REDACTED]

## Appointment

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**From:** Radtke, Meghan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7A364F0FAAD54A79BE238288FA3496CF-RADTKE, MEGHAN]  
**Sent:** 11/8/2016 2:50:58 PM  
**To:** Johnson, Barnes [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c39e9338cbf04dc3b4b29f78e5213303-Johnson, Barnes]; Gerhard, Sasha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=409f48684eb4422cb13177fc9702d0fa-Gerhard, Sasha]; Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]; Atagi, Tracy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ebcfd670077440dfb63a691749f20af2-TATAGI]; Meghan Radtke (Radtke.Meghan@epa.gov) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7a364f0faad54a79be238288fa3496cf-Radtke, Meghan]; Huggins, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0314e81a1f4843fcbbe0910cfd53f4-Huggins, Richard]  
**CC:** Elliott, Ross [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33cb08013cc94c21a3e3236dbad4c4a4-REELLIOT]; Devlin, Betsy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b76a4bf5afc84459a6bf2a6a4645f40f-BDEVLIN]; Behan, Frank [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b37b3a6d67644ad3bf5717d99610941e-FBEHAN]; Kaps, Melissa [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2fd9ca1cc4f145df83c8bdd2b683a290-mkaps]  
**BCC:** DCRoomPYS6621Projector/DC-Potomac-Yard-South-ORCR [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user9e70ae12]  
**Subject:** In person meeting with Tradebe  
**Location:** DCRoomPYS6621Projector/DC-Potomac-Yard-South-ORCR  
**Start:** 12/5/2016 4:00:00 PM  
**End:** 12/5/2016 5:00:00 PM  
**Show Time As:** Busy

Call in: [REDACTED]  
Code: [REDACTED]

Tradebe has requested an in-person meeting with Barnes Johnson.

Poc: Loriele Morgan  
Hunsucker Goodstein PC  
[REDACTED]

## Appointment

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**From:** Owens, Regina [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CBDB95D94F0E40C98A871ED6B052AA29-OWENS, REGI]  
**Sent:** 10/26/2017 3:06:10 PM  
**To:** Johnson, Barnes [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c39e9338cbf04dc3b4b29f78e5213303-Johnson, Barnes]; Guernica, Mimi [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6c8a7d898ed74b678830c17ee521a045-MGUERNIC]; Sonya Sasseville (Sasseville.Sonya@epa.gov) [Sasseville.Sonya@epa.gov]; Betsy Devlin (Devlin.Betsy@epa.gov) [Devlin.Betsy@epa.gov]; Kohler, Amanda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=665a6cdd3371457fb03d5184f58f7a4a-Kohler, Amanda]; Meghan Radtke (Radtke.Meghan@epa.gov) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7a364f0aad54a79be238288fa3496cf-Radtke, Meghan]; Huggins, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0314e81a1f4843fcbbe0910cfd53f4-Huggins, Richard]  
**CC:** Gerhard, Sasha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=409f48684eb4422cb13177fc9702d0fa-Gerhard, Sasha]; Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]; Gaines, Jeff [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c0ce5613e3c245b09c6ccad71cf3062a-JGAINE02]; Hansen, Gail [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d9de096f6f084bc2be70029e26ac687e-GHANSEN]; Krueger, Anna [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c2b3ca3f71784b6a8d35709df4b3bdd6-Krueger, An]; Pease, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3853cbe6e34644309fe19981dbdf3716-Pease, Michael]; Sommer, Tab [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=891a73d2bb1a4d6a8a7727f05ec50161-TTESNAU]; Karen Swetland-Johnson (Swetland-Johnson.Karen@epa.gov) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a916f4dac0d84c3499b44ee837ae0205-Swetland, K]; Foster, Barbara [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3d2e711e357548b69b183afc111e72c3-BFOSTER]; Charlotte Mooney [Mooney.Charlotte@epa.gov]; Tracy Atagi [Atagi.Tracy@epa.gov]; Young, Jessica [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=26404c78d3dc441f810ac723cf8f9d49-JBIEGELS]; Behan, Frank [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b37b3a6d67644ad3bf5717d99610941e-FBEHAN]; Eby, Elaine [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=738cd1b72d6c442cbbfef35206527df4-EEBY]; Elliott, Ross [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33cb08013cc94c21a3e3236dbad4c4a4-REELLIOT]  
**BCC:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user8c17dd2e]  
**Subject:** Pre-brief on RCRA Permit Integrity Team FY18 Recommendations  
**Location:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR  
**Start:** 11/6/2017 3:00:00 PM  
**End:** 11/6/2017 4:00:00 PM  
**Show Time As:** Busy

**POC:** Amanda Kohler – [REDACTED]

Conference Call [REDACTED]

Purpose of Meeting:

This meeting will review draft recommendations for the FY18 permitting program priorities in advance of final decision by the RCRA Division Directors at their November in-person meeting. Recommendations to be made in four issues affecting RCRA permits: LDR/WAP, AA/BB/CC, Post-closure care, and TDUs.

## Appointment

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**From:** Owens, Regina [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CBDB95D94F0E40C98A871ED6B052AA29-OWENS, REGI]  
**Sent:** 8/28/2017 2:57:00 PM  
**To:** Johnson, Barnes [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c39e9338cbf04dc3b4b29f78e5213303-Johnson, Barnes]; dcase@etc.org; Betsy Devlin (Devlin.Betsy@epa.gov) [Devlin.Betsy@epa.gov]; Ross Elliott (Elliott.Ross@epa.gov) [Elliott.Ross@epa.gov]; Young, Jessica [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=26404c78d3dc441f810ac723cf8f9d49-JBIEGELS]; Behan, Frank [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b37b3a6d67644ad3bf5717d99610941e-FBEHAN]; Atagi, Tracy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ebcfd670077440dfb63a691749f20af2-TATAGI]; Sasseville, Sonya [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9302bd775fa84bebbbe0c430316f76c6-SSASSEVI]; Guernica, Mimi [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6c8a7d898ed74b678830c17ee521a045-MGUERNIC]; Kohler, Amanda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=665a6cdd3371457fb03d5184f58f7a4a-Kohler, Amanda]; Galbraith, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0abf7f5c1a5e462e8096cb58ef9757eb-MGALBRAI]; Lowery, Brigid [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=da8c8861510148a6bdcd084192758505-Lowery, Brigid]; Victorine, Gary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=62bfb0d07a1749e59a3b54f7f4a1e191-GVictori]; Meghan Radtke (Radtke.Meghan@epa.gov) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7a364f0faad54a79be238288fa3496cf-Radtke, Meghan]; Huggins, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0314e81a1f4843fcbbe0910cfddd53f4-Huggins, Richard]; Spalding, Susan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17fb5ab7a65145d4bde2327fc6d02378-Spalding, Susan]  
**CC:** Cunningham, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0ce197b42b574909995fe91bdf04ba6-MCunning]; Murdock, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=48b208f9db8948879d95fac971dc03f3-Murdock, Ja]; Przyborski, Jay [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d9b737242096491996b9d73451f3e848-Przyborski, Jay]; Bruced Jones (Jones.Bruced@epa.gov) [Jones.Bruced@epa.gov]; Tidmore, Guy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e9af087a1ce4703b25a4a8e6fa048dd-Tidmore, Guy]; Potts, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f0f11dc437f944fd8cb779b3316de870-Potts, Mark]; Fruitwala, Kishor [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7a19009ba86a4236b97131d5d16f2fae-Fruitwala, Kishor]; Wren Stenger (stenger.wren@epa.gov) [stenger.wren@epa.gov]; Price, Lisa [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b4a7d6cc6094c868ffef7fcf3225245-Price, Lisa]; Gerhard, Sasha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=409f48684eb4422cb13177fc9702d0fa-Gerhard, Sasha]; Celeste, Laurel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8f5194a050ce4b758e02e6835fe0b43d-Celeste, Laurel]; Valentino, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=29ccd101653e4a5fae2273a9ae9f7bd0-MValenti]; Lee, Jae [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6e8957da9f254aab83632814f05d1cd2-JLee10]  
**BCC:** DCRoomPYS6100Projector/DC-Potomac-Yard-South-ORCR [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user8c17dd2e]  
**Subject:** TDU Discussion with ETC